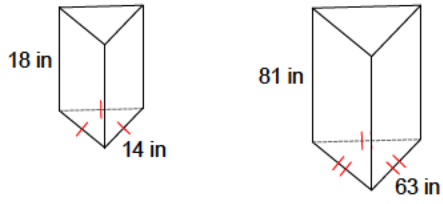


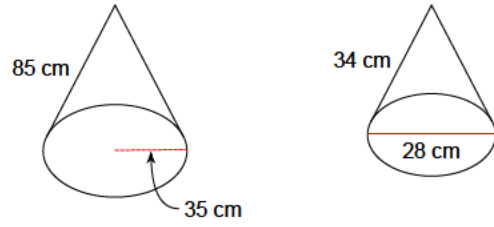
# Solids similarity

Is this pair of solids similar? Give answer with Yes or No.

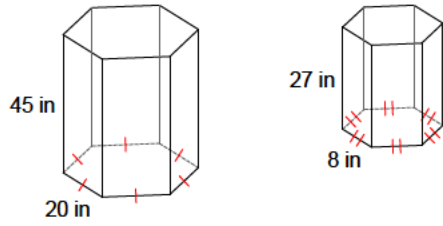
1)



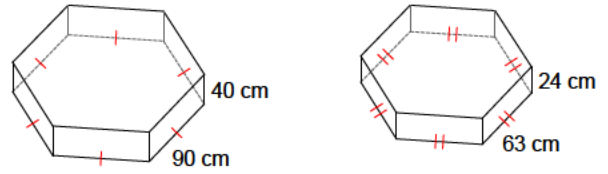
2)



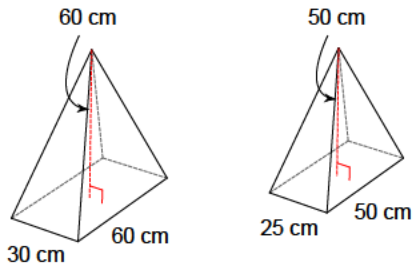
3)



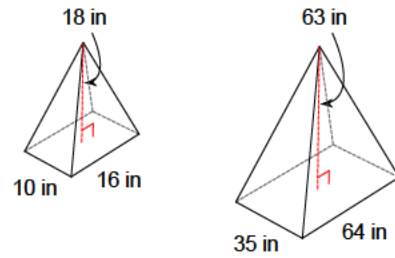
4)



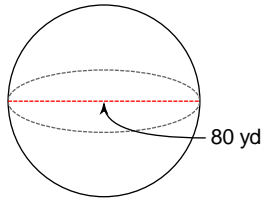
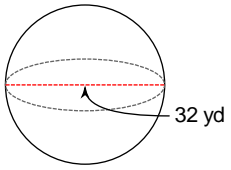
5)



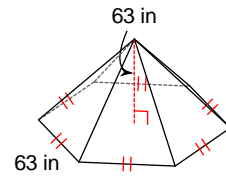
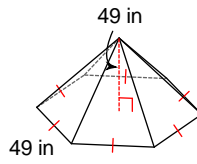
6)



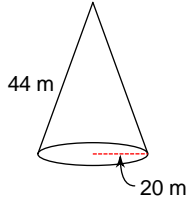
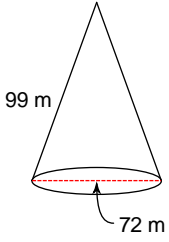
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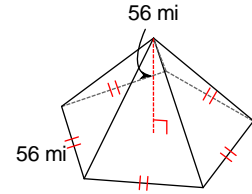
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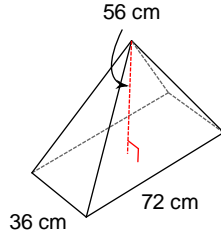
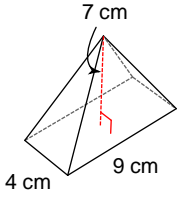
9)



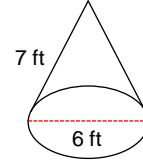
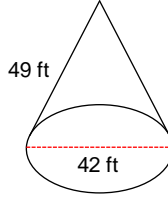
10)



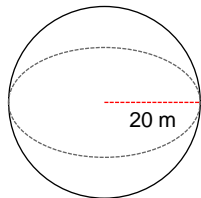
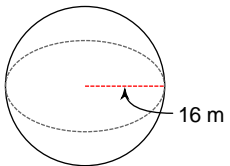
11)



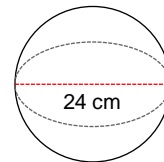
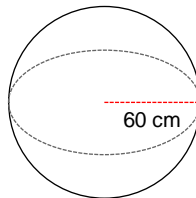
12)



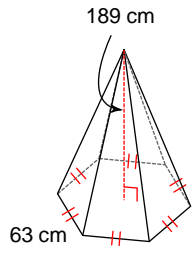
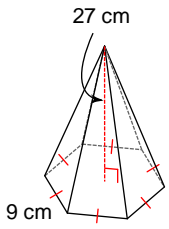
13)



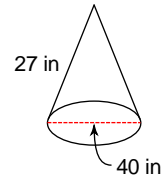
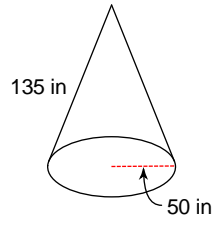
14)



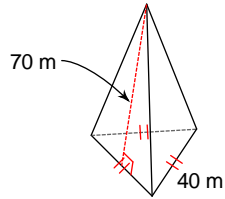
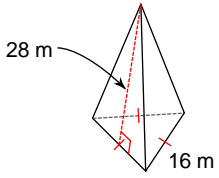
15)



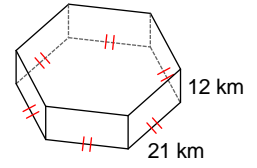
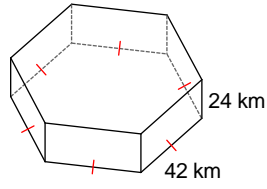
16)



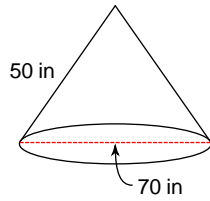
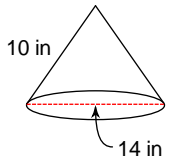
17)



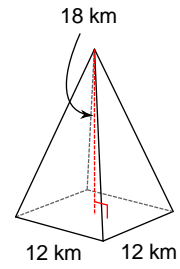
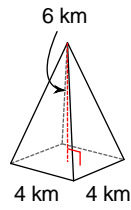
18)



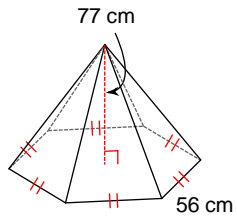
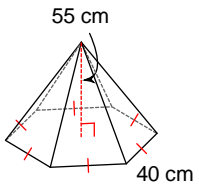
19)



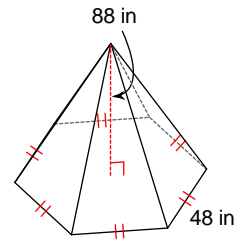
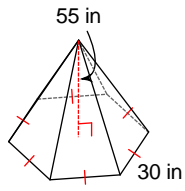
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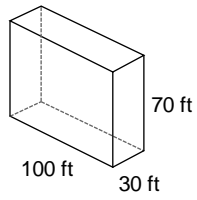
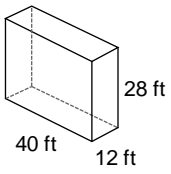
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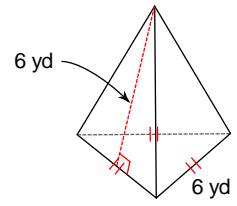
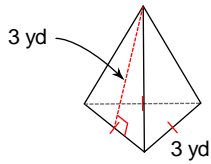
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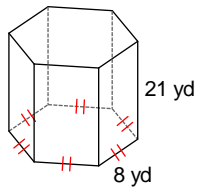
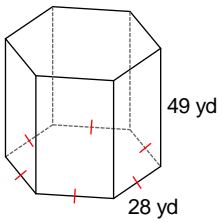
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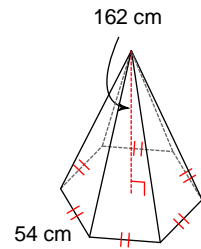
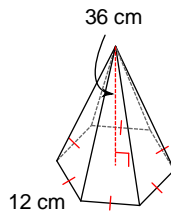
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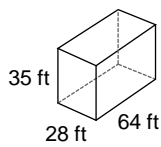
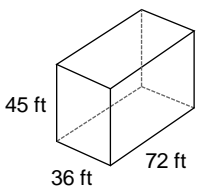
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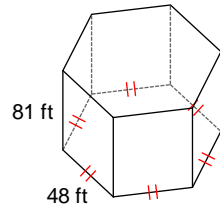
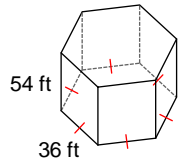
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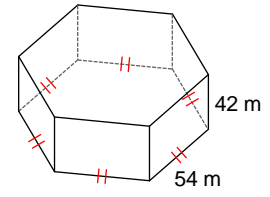
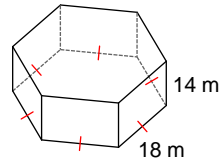
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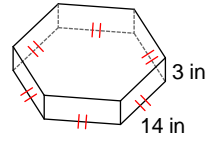
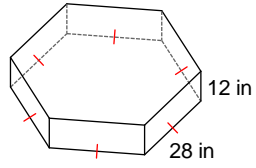
28)



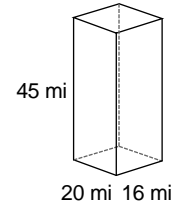
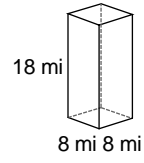
29)



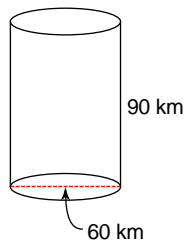
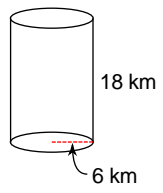
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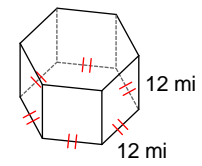
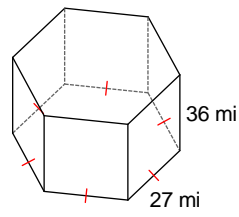
31)



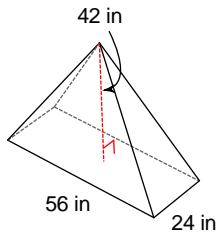
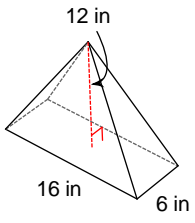
32)



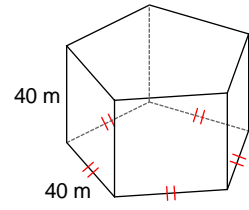
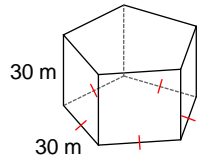
33)



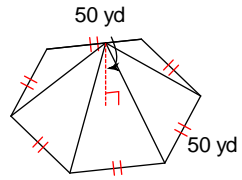
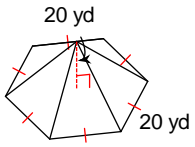
34)



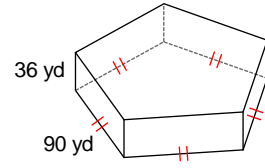
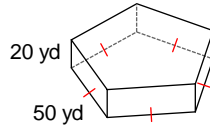
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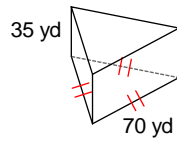
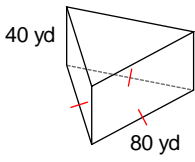
36)



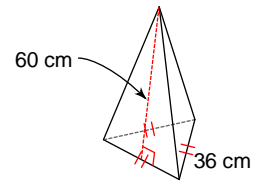
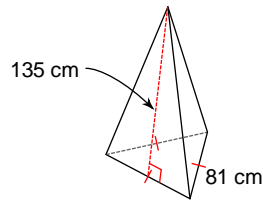
37)



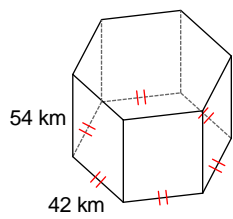
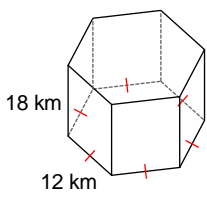
38)



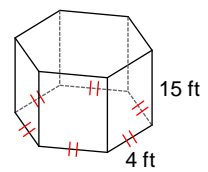
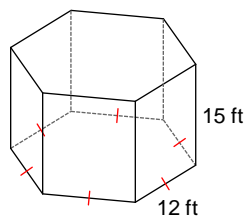
39)



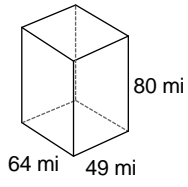
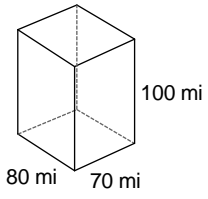
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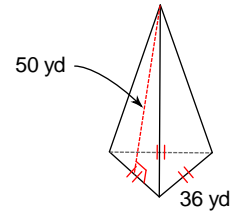
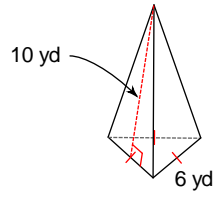
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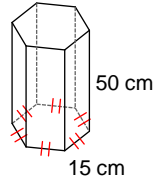
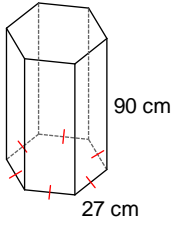
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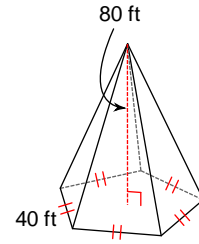
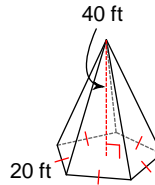
43)



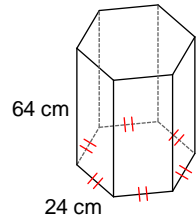
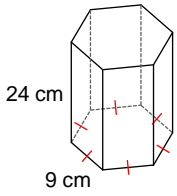
44)



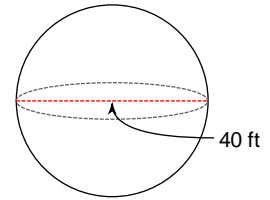
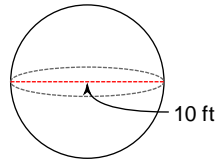
45)



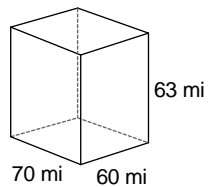
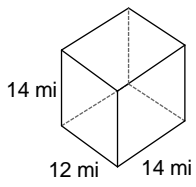
46)



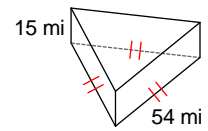
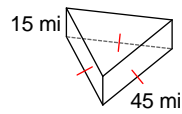
47)



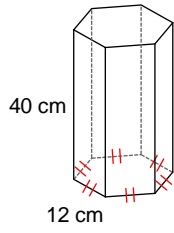
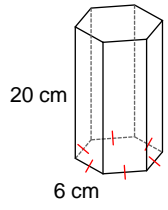
48)



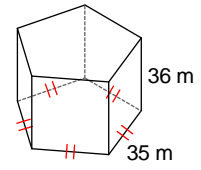
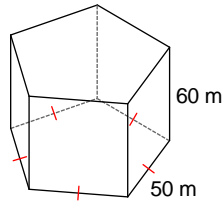
49)



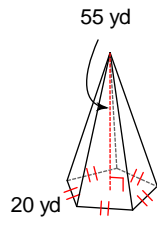
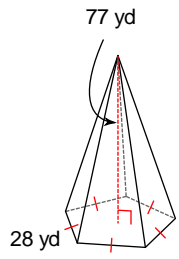
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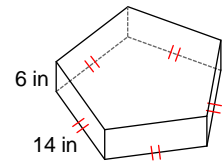
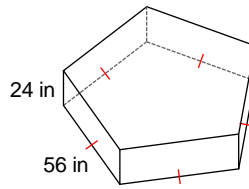
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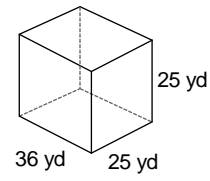
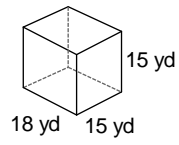
52)



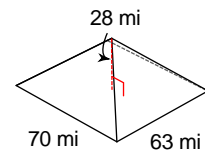
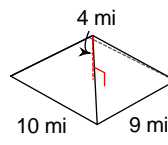
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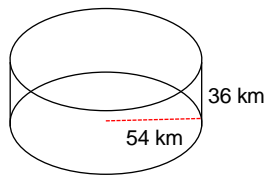
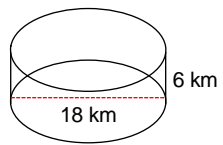
54)



55)

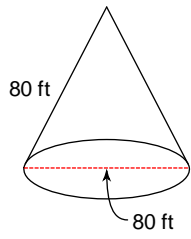
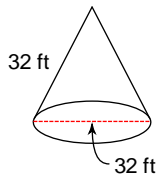


56)

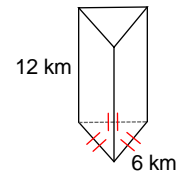
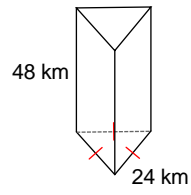




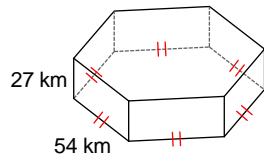
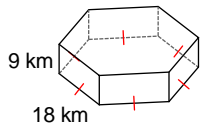
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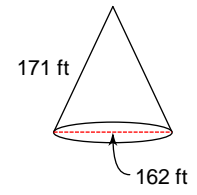
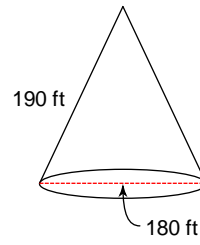
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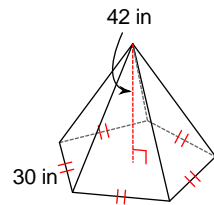
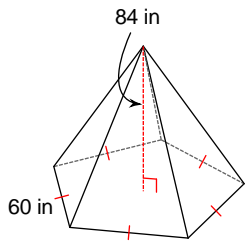
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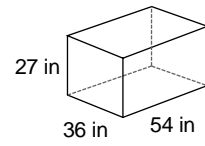
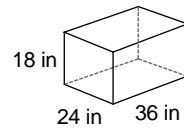
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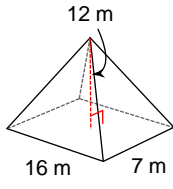
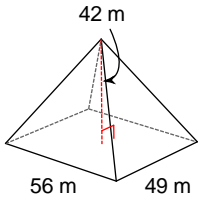
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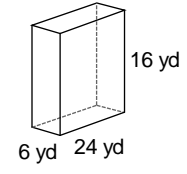
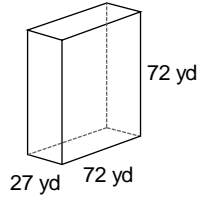
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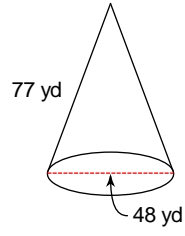
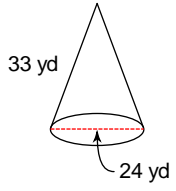
63)



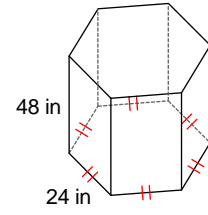
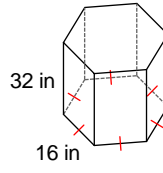
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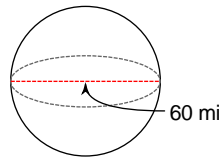
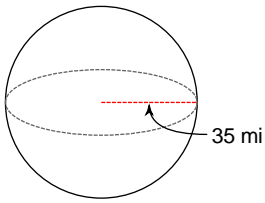
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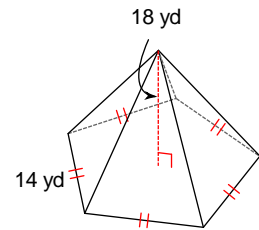
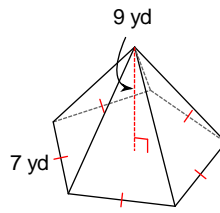
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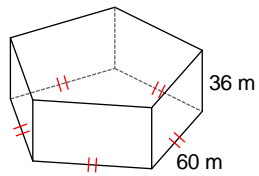
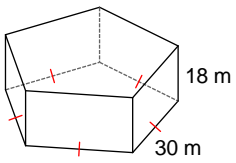
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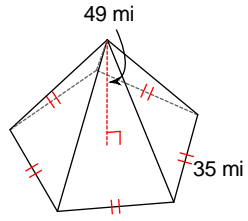
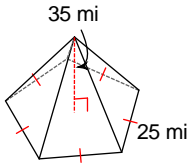
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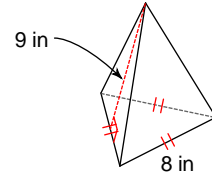
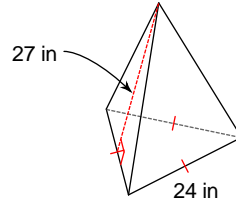
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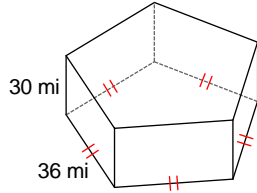
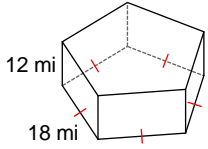
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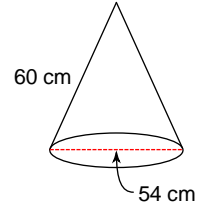
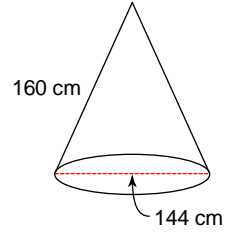
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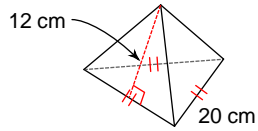
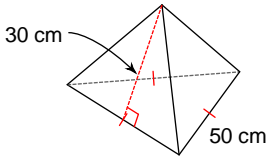
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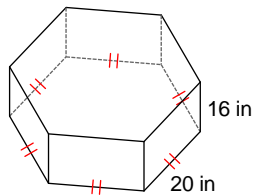
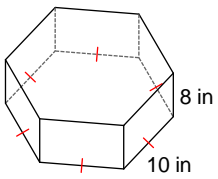
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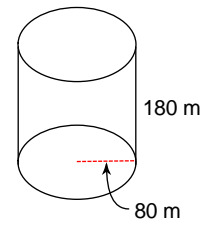
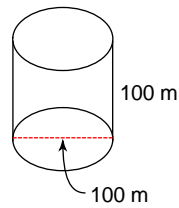
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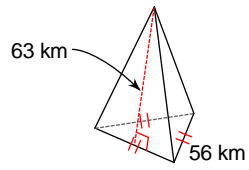
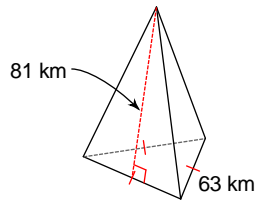
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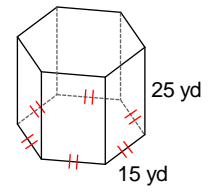
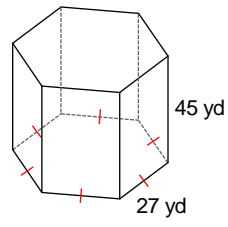
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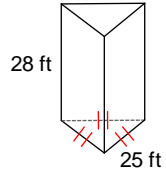
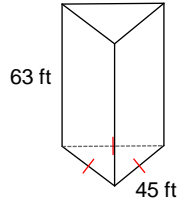
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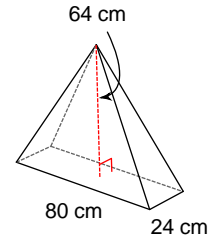
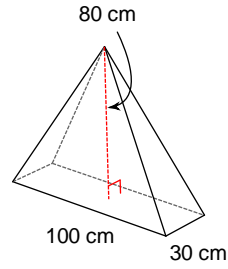
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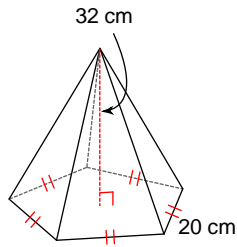
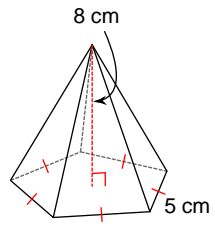
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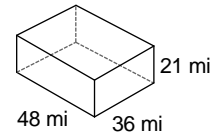
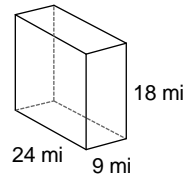
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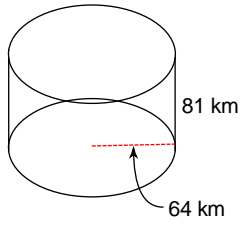
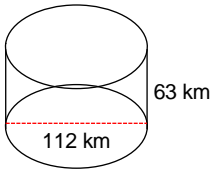
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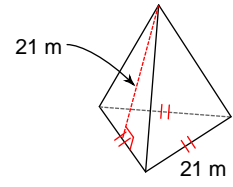
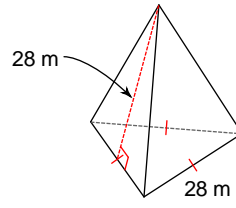
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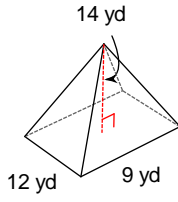
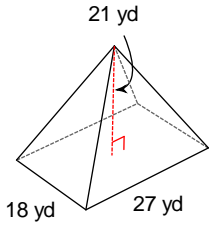
83)



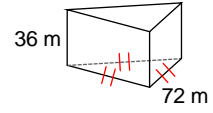
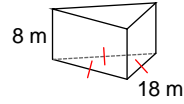
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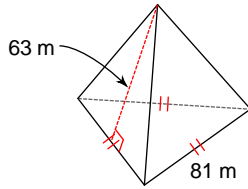
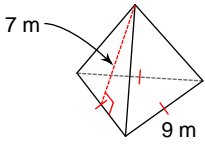
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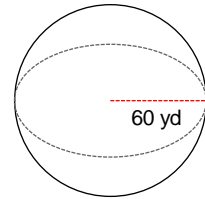
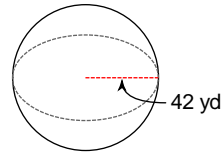
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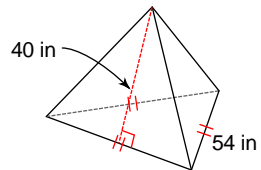
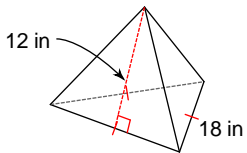
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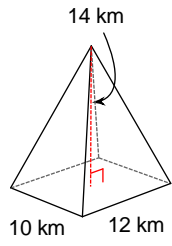
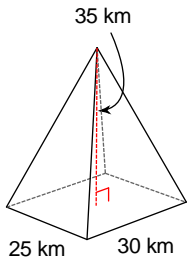
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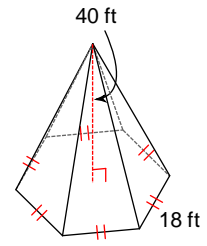
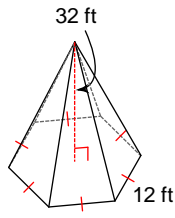
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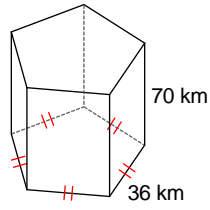
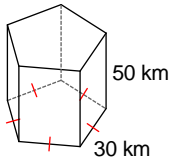
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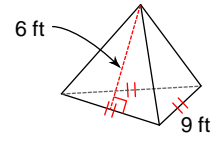
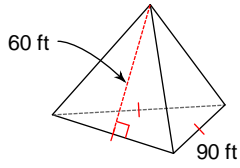
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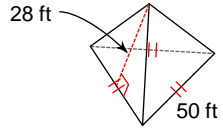
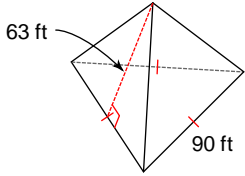
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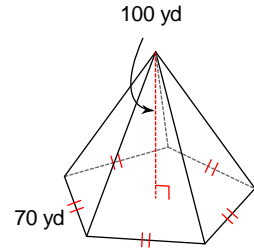
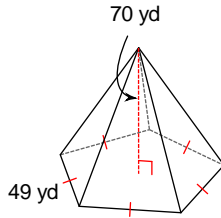
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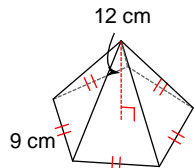
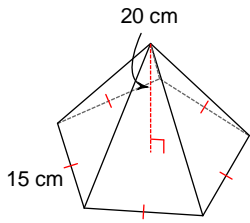
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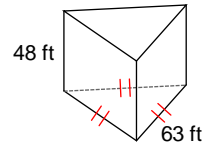
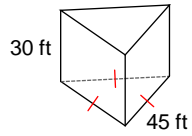
95)



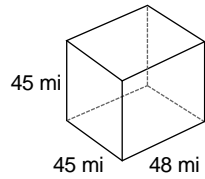
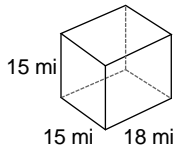
96)



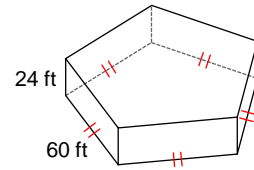
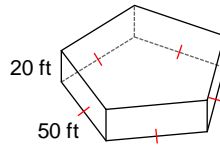
97)



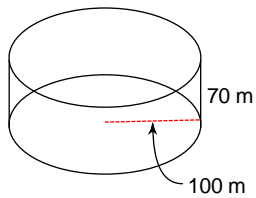
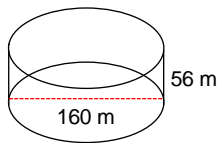
98)



99)

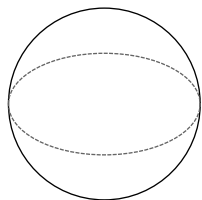


100)

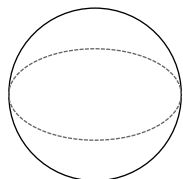


**Find the scale factor if surface area is known.**

101)

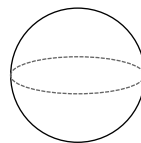


$$SA = 720\pi \text{ ft}^2$$

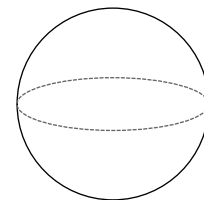


$$SA = 20\pi \text{ ft}^2$$

102)

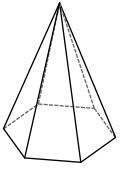


$$SA = 108\pi \text{ yd}^2$$

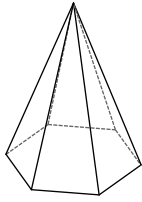


$$SA = 192\pi \text{ yd}^2$$

103)

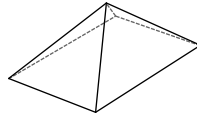


$SA = 171 \text{ cm}^2$

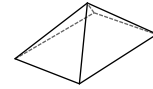


$SA = 475 \text{ cm}^2$

104)

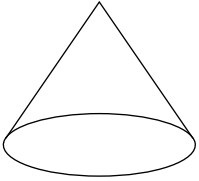


$SA = 882 \text{ km}^2$

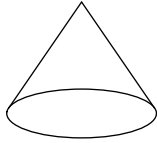


$SA = 72 \text{ km}^2$

105)

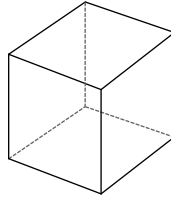


$SA = 960\pi \text{ in}^2$

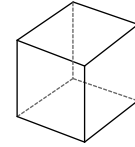


$SA = 15\pi \text{ in}^2$

106)

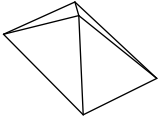


$SA = 1620 \text{ m}^2$

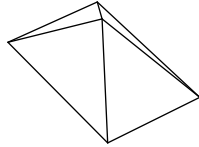


$SA = 320 \text{ m}^2$

107)

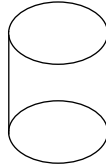


$SA = 252 \text{ km}^2$

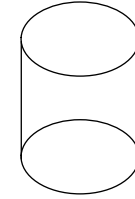


$SA = 700 \text{ km}^2$

108)

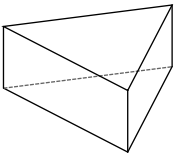


$SA = 81\pi \text{ cm}^2$

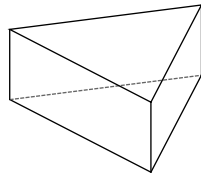


$SA = 576\pi \text{ cm}^2$

109)

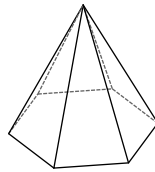


$SA = 19 \text{ ft}^2$

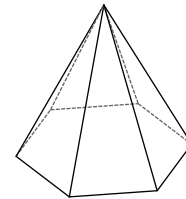


$SA = 1900 \text{ ft}^2$

110)

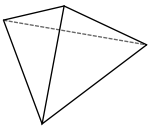


$SA = 12 \text{ cm}^2$

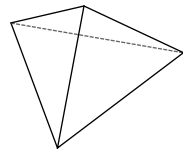


$SA = 300 \text{ cm}^2$

111)

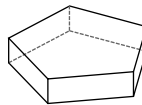


$SA = 882 \text{ yd}^2$

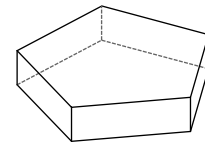


$SA = 1152 \text{ yd}^2$

112)



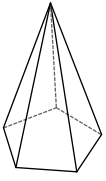
$SA = 288 \text{ km}^2$



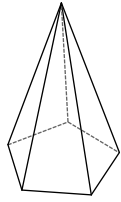
$SA = 800 \text{ km}^2$



113)

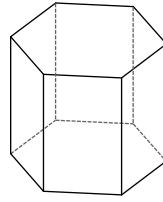


$$SA = 490 \text{ ft}^2$$

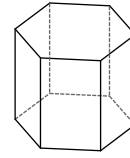


$$SA = 640 \text{ ft}^2$$

114)

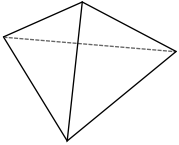


$$SA = 405 \text{ ft}^2$$

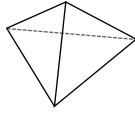


$$SA = 125 \text{ ft}^2$$

115)

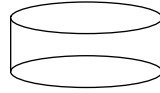


$$SA = 960 \text{ yd}^2$$

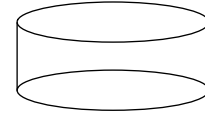


$$SA = 540 \text{ yd}^2$$

116)

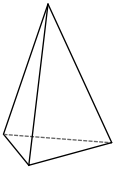


$$SA = 343\pi \text{ ft}^2$$

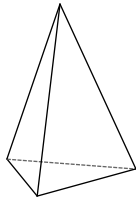


$$SA = 448\pi \text{ ft}^2$$

117)

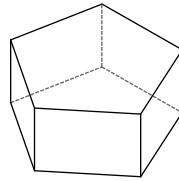


$$SA = 60 \text{ ft}^2$$

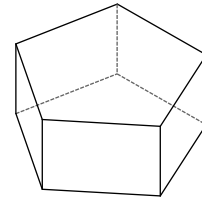


$$SA = 375 \text{ ft}^2$$

118)

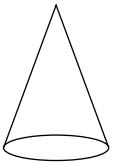


$$SA = 72 \text{ mi}^2$$

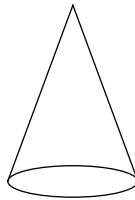


$$SA = 1800 \text{ mi}^2$$

119)

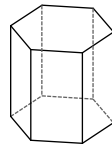


$$SA = 60\pi \text{ mi}^2$$

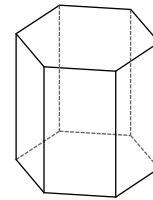


$$SA = 960\pi \text{ mi}^2$$

120)

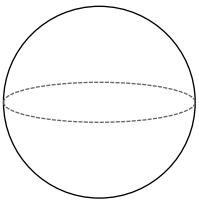


$$SA = 1088 \text{ ft}^2$$

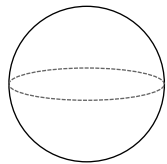


$$SA = 1700 \text{ ft}^2$$

121)

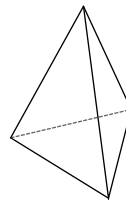


$$SA = 1500\pi \text{ km}^2$$

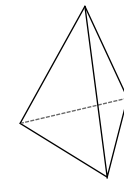


$$SA = 60\pi \text{ km}^2$$

122)

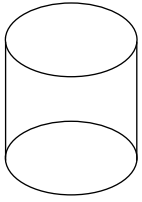


$$SA = 392 \text{ cm}^2$$

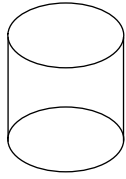


$$SA = 32 \text{ cm}^2$$

123)

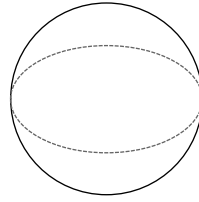


$$SA = 2000\pi \text{ ft}^2$$

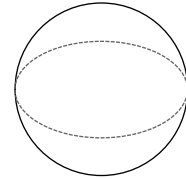


$$SA = 1280\pi \text{ ft}^2$$

124)

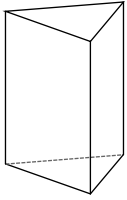


$$SA = 1400\pi \text{ yd}^2$$

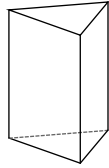


$$SA = 896\pi \text{ yd}^2$$

125)

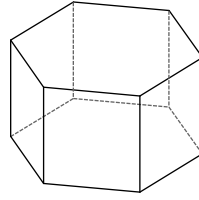


$$SA = 1458 \text{ ft}^2$$

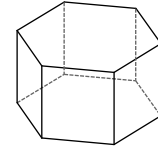


$$SA = 882 \text{ ft}^2$$

126)

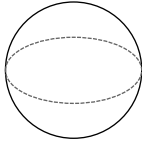


$$SA = 343 \text{ in}^2$$

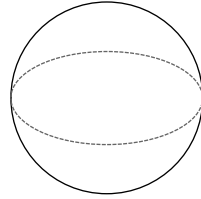


$$SA = 63 \text{ in}^2$$

127)

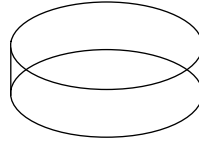


$$SA = 11\pi \text{ mi}^2$$

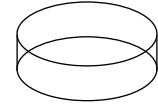


$$SA = 275\pi \text{ mi}^2$$

128)

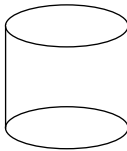


$$SA = 54\pi \text{ m}^2$$

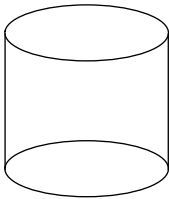


$$SA = 6\pi \text{ m}^2$$

129)

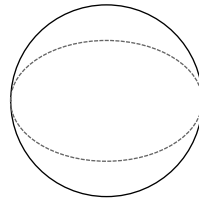


$$SA = 3\pi \text{ km}^2$$

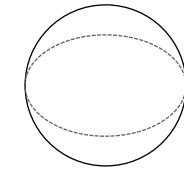


$$SA = 300\pi \text{ km}^2$$

130)

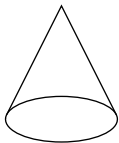


$$SA = 567\pi \text{ km}^2$$

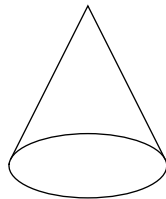


$$SA = 252\pi \text{ km}^2$$

131)

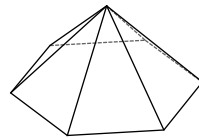


$$SA = 192\pi \text{ mi}^2$$

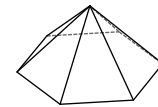


$$SA = 768\pi \text{ mi}^2$$

132)

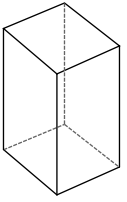


$$SA = 1500 \text{ mi}^2$$

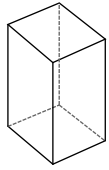


$$SA = 540 \text{ mi}^2$$

133)

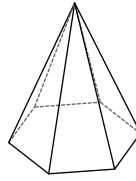


$SA = 153 \text{ ft}^2$

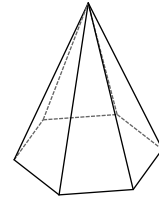


$SA = 17 \text{ ft}^2$

134)

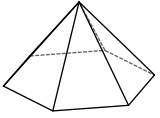


$SA = 27 \text{ in}^2$

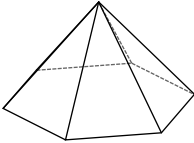


$SA = 147 \text{ in}^2$

135)

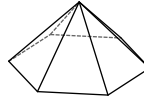


$SA = 48 \text{ m}^2$

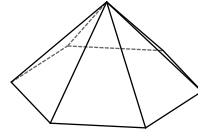


$SA = 108 \text{ m}^2$

136)

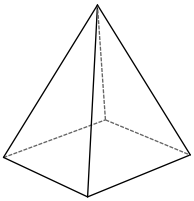


$SA = 6 \text{ m}^2$

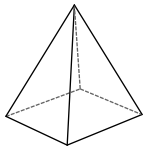


$SA = 150 \text{ m}^2$

137)

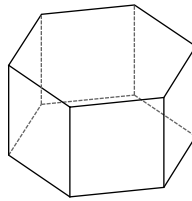


$SA = 504 \text{ km}^2$

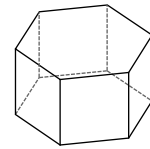


$SA = 350 \text{ km}^2$

138)

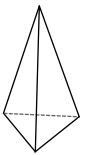


$SA = 640 \text{ yd}^2$

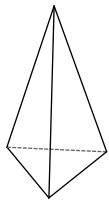


$SA = 360 \text{ yd}^2$

139)

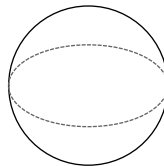


$SA = 252 \text{ mi}^2$

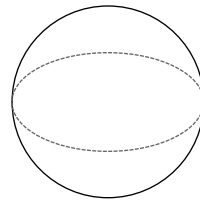


$SA = 567 \text{ mi}^2$

140)

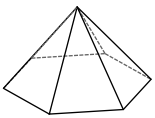


$SA = 76\pi \text{ km}^2$

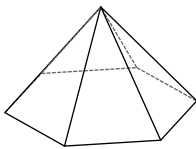


$SA = 1539\pi \text{ km}^2$

141)

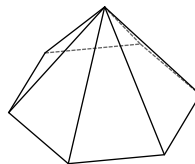


$SA = 117 \text{ km}^2$

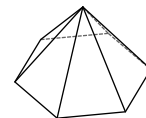


$SA = 637 \text{ km}^2$

142)

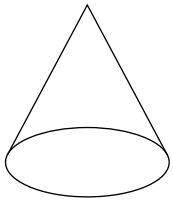


$SA = 784 \text{ km}^2$

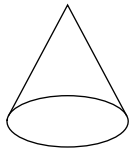


$SA = 16 \text{ km}^2$

143)

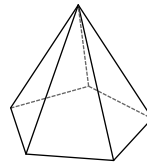


$$SA = 288\pi \text{ cm}^2$$

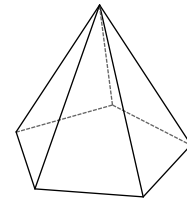


$$SA = 162\pi \text{ cm}^2$$

144)

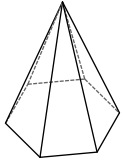


$$SA = 72 \text{ mi}^2$$

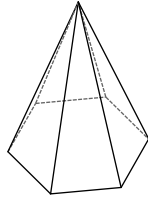


$$SA = 288 \text{ mi}^2$$

145)

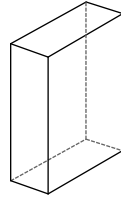


$$SA = 200 \text{ ft}^2$$

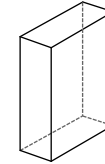


$$SA = 392 \text{ ft}^2$$

146)

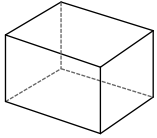


$$SA = 576 \text{ ft}^2$$

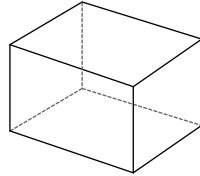


$$SA = 225 \text{ ft}^2$$

147)

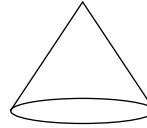


$$SA = 208 \text{ mi}^2$$

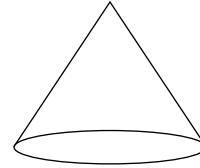


$$SA = 468 \text{ mi}^2$$

148)

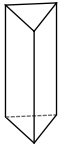


$$SA = 5\pi \text{ in}^2$$



$$SA = 125\pi \text{ in}^2$$

149)

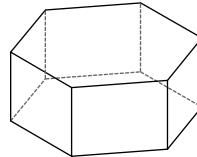


$$SA = 4 \text{ km}^2$$

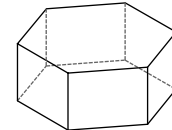


$$SA = 64 \text{ km}^2$$

150)

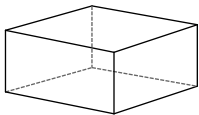


$$SA = 832 \text{ cm}^2$$

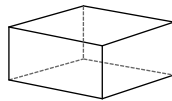


$$SA = 13 \text{ cm}^2$$

151)

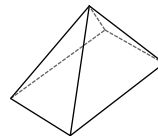


$$SA = 135 \text{ cm}^2$$

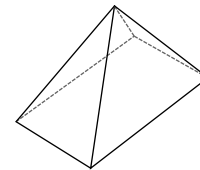


$$SA = 15 \text{ cm}^2$$

152)

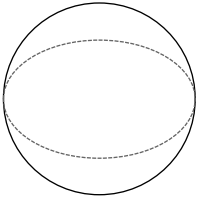


$$SA = 36 \text{ km}^2$$

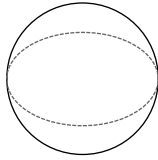


$$SA = 81 \text{ km}^2$$

153)

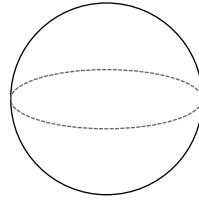


$$SA = 567\pi \text{ m}^2$$

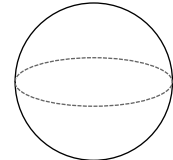


$$SA = 112\pi \text{ m}^2$$

154)

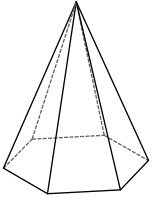


$$SA = 300\pi \text{ km}^2$$

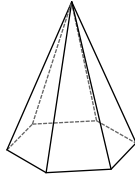


$$SA = 48\pi \text{ km}^2$$

155)

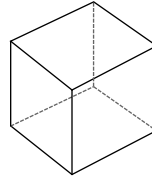


$$SA = 1152 \text{ in}^2$$

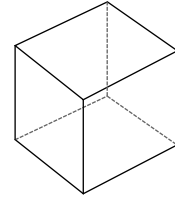


$$SA = 72 \text{ in}^2$$

156)

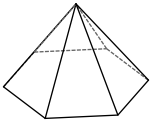


$$SA = 1539 \text{ in}^2$$

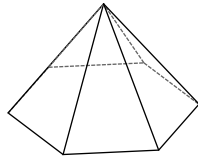


$$SA = 1900 \text{ in}^2$$

157)

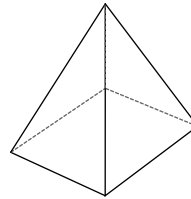


$$SA = 4 \text{ yd}^2$$

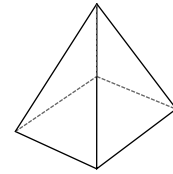


$$SA = 49 \text{ yd}^2$$

158)

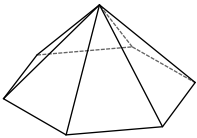


$$SA = 637 \text{ yd}^2$$

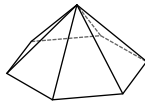


$$SA = 117 \text{ yd}^2$$

159)

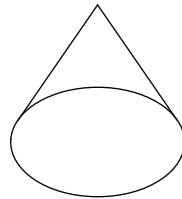


$$SA = 1296 \text{ yd}^2$$

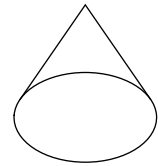


$$SA = 64 \text{ yd}^2$$

160)

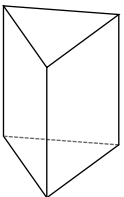


$$SA = 1300\pi \text{ cm}^2$$

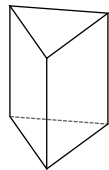


$$SA = 1053\pi \text{ cm}^2$$

161)

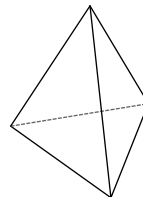


$$SA = 490 \text{ in}^2$$

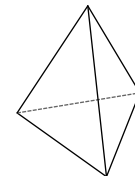


$$SA = 160 \text{ in}^2$$

162)

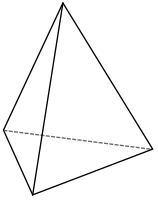


$$SA = 900 \text{ km}^2$$

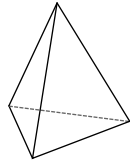


$$SA = 9 \text{ km}^2$$

163)

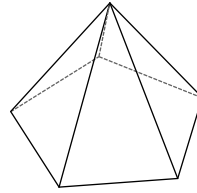


$$SA = 500 \text{ yd}^2$$

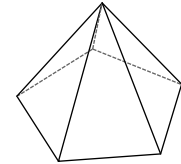


$$SA = 180 \text{ yd}^2$$

164)

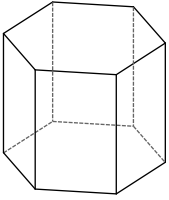


$$SA = 96 \text{ in}^2$$

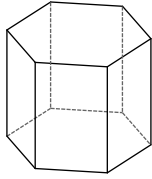


$$SA = 24 \text{ in}^2$$

165)

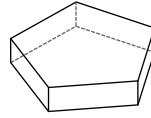


$$SA = 304 \text{ cm}^2$$

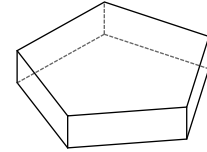


$$SA = 76 \text{ cm}^2$$

166)

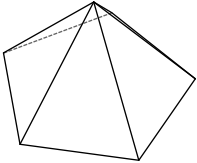


$$SA = 108 \text{ cm}^2$$

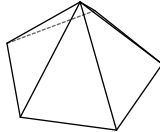


$$SA = 243 \text{ cm}^2$$

167)

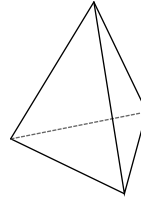


$$SA = 112 \text{ in}^2$$

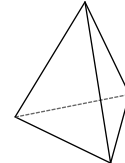


$$SA = 63 \text{ in}^2$$

168)

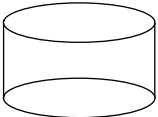


$$SA = 500 \text{ mi}^2$$

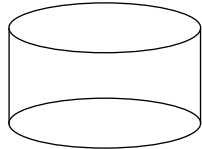


$$SA = 80 \text{ mi}^2$$

169)

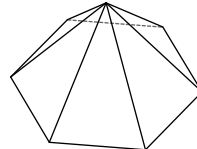


$$SA = 150\pi \text{ m}^2$$

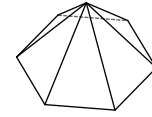


$$SA = 294\pi \text{ m}^2$$

170)

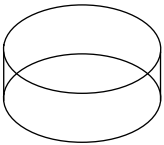


$$SA = 320 \text{ km}^2$$

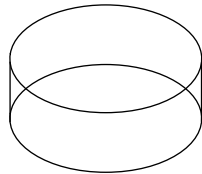


$$SA = 245 \text{ km}^2$$

171)

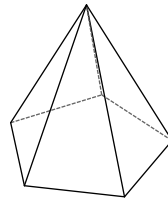


$$SA = 12\pi \text{ m}^2$$

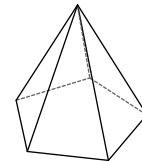


$$SA = 432\pi \text{ m}^2$$

172)

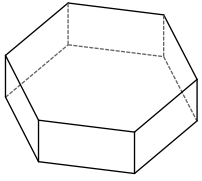


$$SA = 891 \text{ m}^2$$

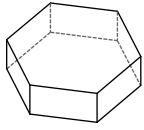


$$SA = 396 \text{ m}^2$$

173)

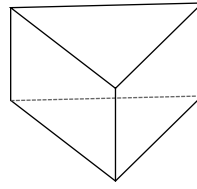


$SA = 432 \text{ mi}^2$

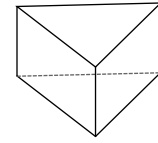


$SA = 300 \text{ mi}^2$

174)

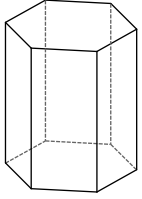


$SA = 972 \text{ ft}^2$

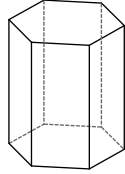


$SA = 192 \text{ ft}^2$

175)

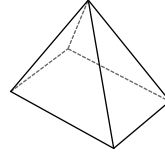


$SA = 448 \text{ yd}^2$

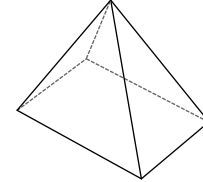


$SA = 7 \text{ yd}^2$

176)

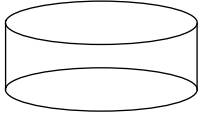


$SA = 108 \text{ cm}^2$



$SA = 300 \text{ cm}^2$

177)

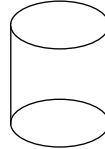


$SA = 128\pi \text{ m}^2$

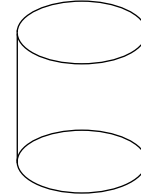


$SA = 32\pi \text{ m}^2$

178)

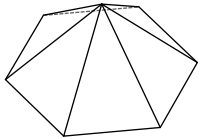


$SA = 9\pi \text{ m}^2$

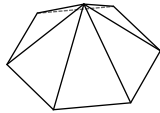


$SA = 64\pi \text{ m}^2$

179)

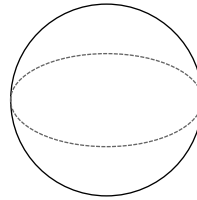


$SA = 1600 \text{ mi}^2$

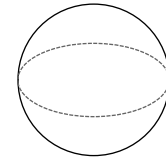


$SA = 256 \text{ mi}^2$

180)

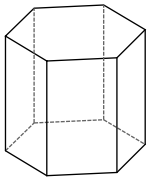


$SA = 320\pi \text{ m}^2$

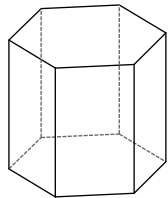


$SA = 20\pi \text{ m}^2$

181)

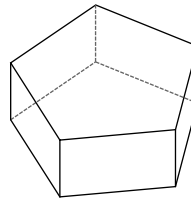


$SA = 81 \text{ in}^2$

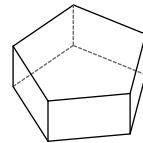


$SA = 100 \text{ in}^2$

182)

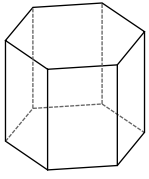


$SA = 171 \text{ m}^2$

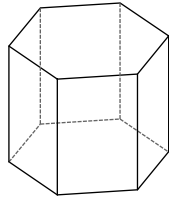


$SA = 19 \text{ m}^2$

183)

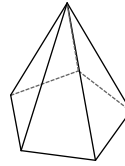


$SA = 50 \text{ km}^2$

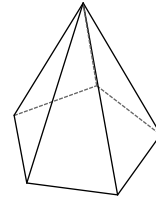


$SA = 98 \text{ km}^2$

184)

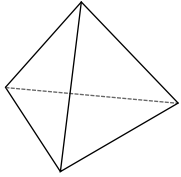


$SA = 468 \text{ yd}^2$

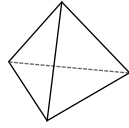


$SA = 832 \text{ yd}^2$

185)

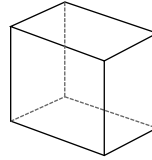


$SA = 504 \text{ yd}^2$

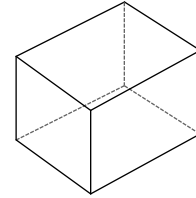


$SA = 224 \text{ yd}^2$

186)

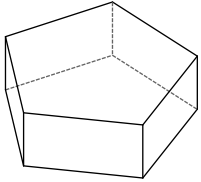


$SA = 196 \text{ in}^2$

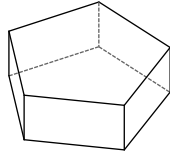


$SA = 400 \text{ in}^2$

187)

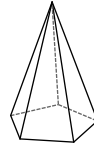


$SA = 1000 \text{ ft}^2$

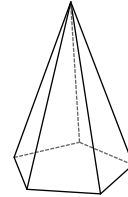


$SA = 360 \text{ ft}^2$

188)

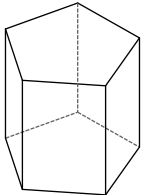


$SA = 100 \text{ yd}^2$

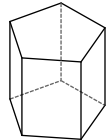


$SA = 196 \text{ yd}^2$

189)

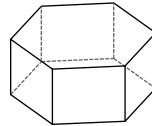


$SA = 576 \text{ ft}^2$

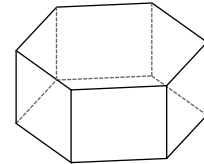


$SA = 225 \text{ ft}^2$

190)

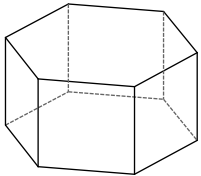


$SA = 14 \text{ mi}^2$

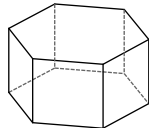


$SA = 504 \text{ mi}^2$

191)

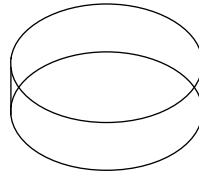


$SA = 800 \text{ cm}^2$

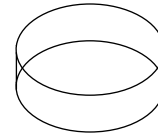


$SA = 128 \text{ cm}^2$

192)



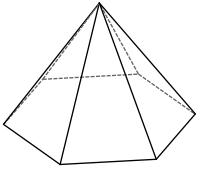
$SA = 300\pi \text{ cm}^2$



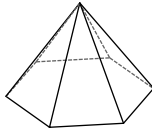
$SA = 192\pi \text{ cm}^2$



193)

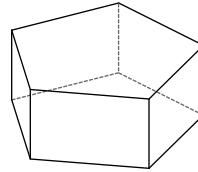


$$SA = 76 \text{ yd}^2$$

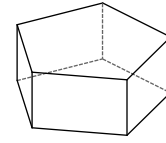


$$SA = 19 \text{ yd}^2$$

194)

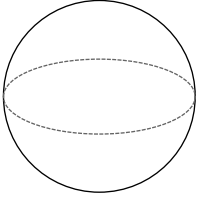


$$SA = 72 \text{ mi}^2$$

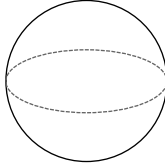


$$SA = 18 \text{ mi}^2$$

195)

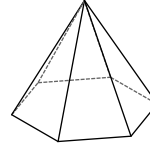


$$SA = 324\pi \text{ yd}^2$$

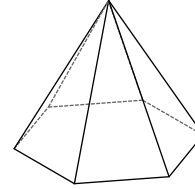


$$SA = 100\pi \text{ yd}^2$$

196)

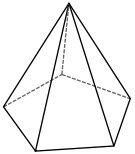


$$SA = 441 \text{ in}^2$$

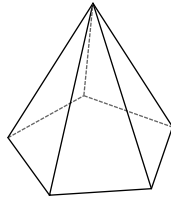


$$SA = 729 \text{ in}^2$$

197)

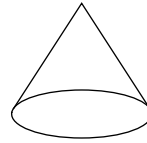


$$SA = 11 \text{ m}^2$$

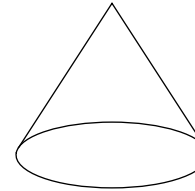


$$SA = 176 \text{ m}^2$$

198)



$$SA = 76\pi \text{ ft}^2$$



$$SA = 684\pi \text{ ft}^2$$

199)

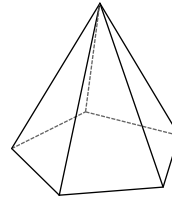


$$SA = 256 \text{ cm}^2$$

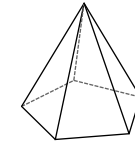


$$SA = 1024 \text{ cm}^2$$

200)



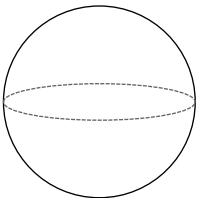
$$SA = 49 \text{ cm}^2$$



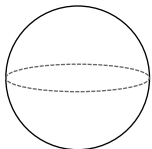
$$SA = 4 \text{ cm}^2$$

**Find the scale factor if volumen is known.**

201)

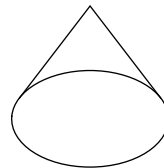


$$V = 1375\pi \text{ ft}^3$$

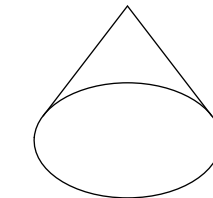


$$V = 88\pi \text{ ft}^3$$

202)

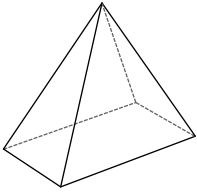


$$V = 208\pi \text{ cm}^3$$

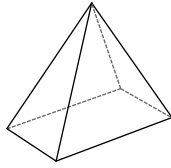


$$V = 26000\pi \text{ cm}^3$$

203)

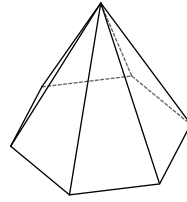


$$V = 6000 \text{ yd}^3$$

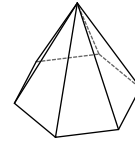


$$V = 384 \text{ yd}^3$$

204)

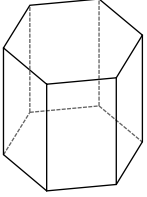


$$V = 3500 \text{ mi}^3$$

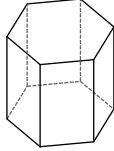


$$V = 756 \text{ mi}^3$$

205)



$$V = 28000 \text{ m}^3$$



$$V = 9604 \text{ m}^3$$

206)

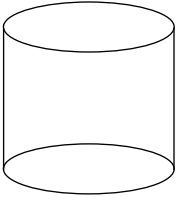


$$V = 6656\pi \text{ mi}^3$$

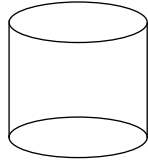


$$V = 4459\pi \text{ mi}^3$$

207)

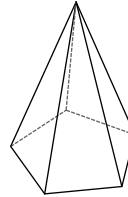


$$V = 3000\pi \text{ yd}^3$$

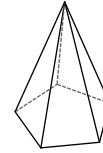


$$V = 192\pi \text{ yd}^3$$

208)

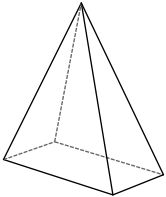


$$V = 6000 \text{ in}^3$$

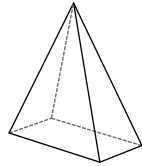


$$V = 384 \text{ in}^3$$

209)

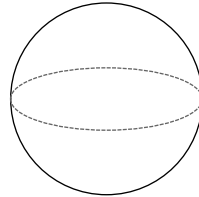


$$V = 6517 \text{ ft}^3$$

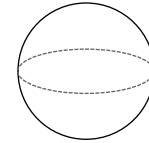


$$V = 2375 \text{ ft}^3$$

210)

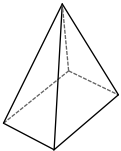


$$V = 9000\pi \text{ mi}^3$$

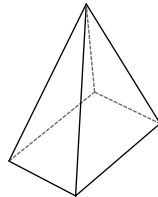


$$V = 1125\pi \text{ mi}^3$$

211)

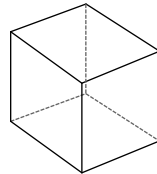


$$V = 21 \text{ km}^3$$

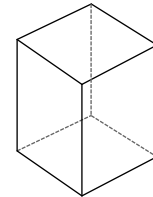


$$V = 1344 \text{ km}^3$$

212)

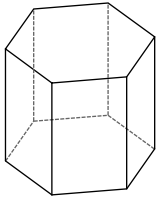


$$V = 2250 \text{ m}^3$$

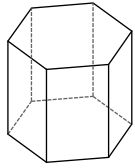


$$V = 13122 \text{ m}^3$$

213)

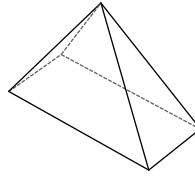


$$V = 9947 \text{ in}^3$$

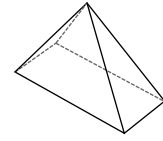


$$V = 783 \text{ in}^3$$

214)

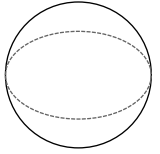


$$V = 3456 \text{ mi}^3$$

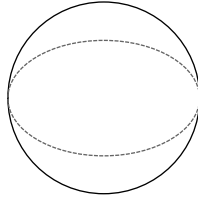


$$V = 128 \text{ mi}^3$$

215)

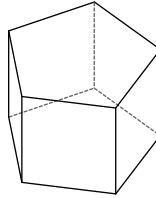


$$V = 22\pi \text{ in}^3$$

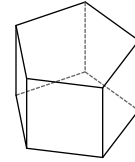


$$V = 22000\pi \text{ in}^3$$

216)

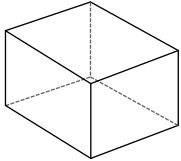


$$V = 704 \text{ ft}^3$$

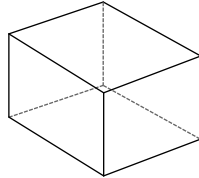


$$V = 11 \text{ ft}^3$$

217)

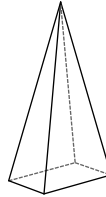


$$V = 621 \text{ ft}^3$$



$$V = 4968 \text{ ft}^3$$

218)

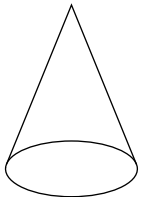


$$V = 3645 \text{ in}^3$$

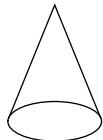


$$V = 1080 \text{ in}^3$$

219)

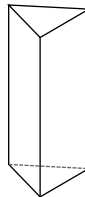


$$V = 12288\pi \text{ km}^3$$



$$V = 1536\pi \text{ km}^3$$

220)

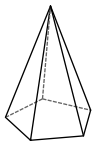


$$V = 1500 \text{ km}^3$$

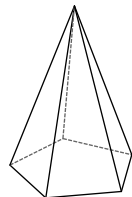


$$V = 768 \text{ km}^3$$

221)

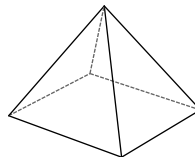


$$V = 1408 \text{ cm}^3$$

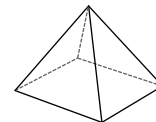


$$V = 2750 \text{ cm}^3$$

222)

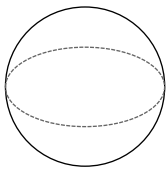


$$V = 1920 \text{ ft}^3$$

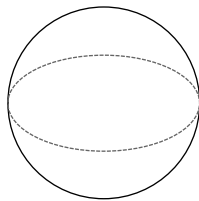


$$V = 810 \text{ ft}^3$$

223)

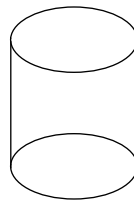


$$V = 486\pi \text{ in}^3$$

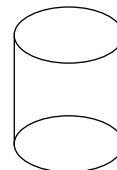


$$V = 6174\pi \text{ in}^3$$

224)

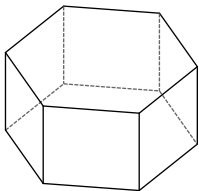


$$V = 15360\pi \text{ km}^3$$

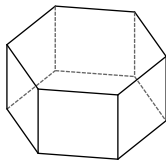


$$V = 3750\pi \text{ km}^3$$

225)



$$V = 5184 \text{ km}^3$$



$$V = 1536 \text{ km}^3$$

226)

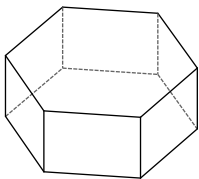


$$V = 22 \text{ yd}^3$$

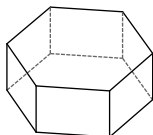


$$V = 16038 \text{ yd}^3$$

227)

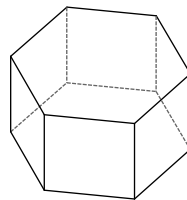


$$V = 5000 \text{ km}^3$$

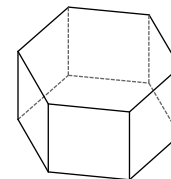


$$V = 40 \text{ km}^3$$

228)

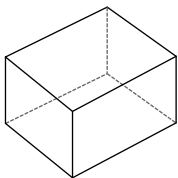


$$V = 26000 \text{ m}^3$$

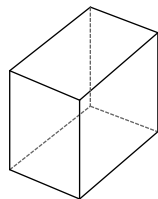


$$V = 18954 \text{ m}^3$$

229)



$$V = 21 \text{ km}^3$$



$$V = 2625 \text{ km}^3$$

230)

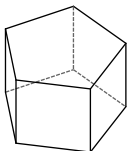


$$V = 16038 \text{ yd}^3$$

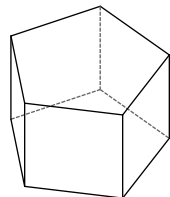


$$V = 11264 \text{ yd}^3$$

231)

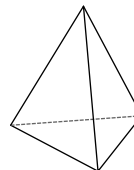


$$V = 12 \text{ km}^3$$

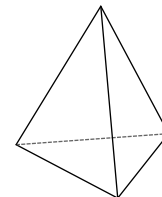


$$V = 96 \text{ km}^3$$

232)

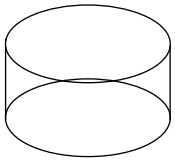


$$V = 192 \text{ ft}^3$$

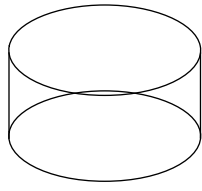


$$V = 24000 \text{ ft}^3$$

233)

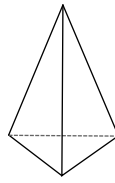


$$V = 72\pi \text{ mi}^3$$

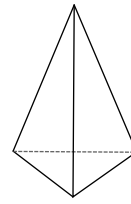


$$V = 4608\pi \text{ mi}^3$$

234)

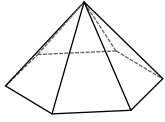


$$V = 17 \text{ yd}^3$$

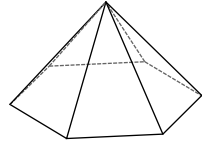


$$V = 17000 \text{ yd}^3$$

235)

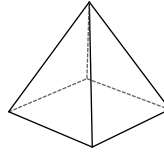


$$V = 1792 \text{ mi}^3$$

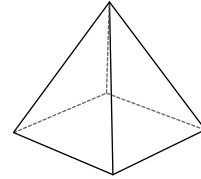


$$V = 9604 \text{ mi}^3$$

236)

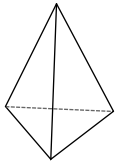


$$V = 24 \text{ ft}^3$$

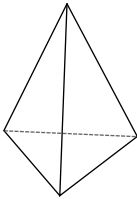


$$V = 5184 \text{ ft}^3$$

237)

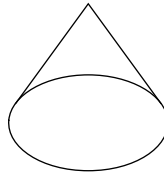


$$V = 8918 \text{ m}^3$$

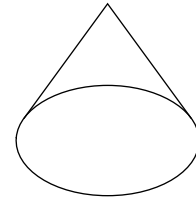


$$V = 26000 \text{ m}^3$$

238)

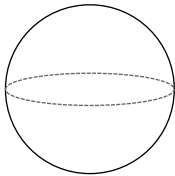


$$V = 704\pi \text{ km}^3$$

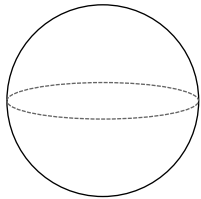


$$V = 2376\pi \text{ km}^3$$

239)

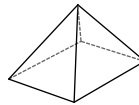


$$V = 1792\pi \text{ in}^3$$

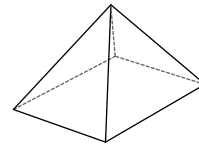


$$V = 28000\pi \text{ in}^3$$

240)

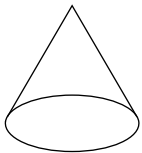


$$V = 23 \text{ m}^3$$

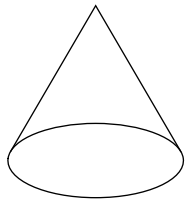


$$V = 7889 \text{ m}^3$$

241)

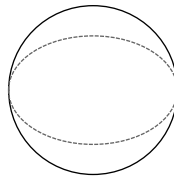


$$V = 26\pi \text{ mi}^3$$

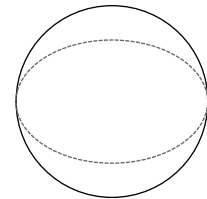


$$V = 26000\pi \text{ mi}^3$$

242)

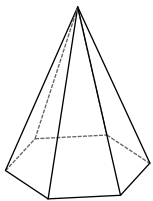


$$V = 2808\pi \text{ mi}^3$$

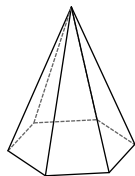


$$V = 9477\pi \text{ mi}^3$$

243)

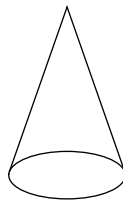


$$V = 4968 \text{ mi}^3$$

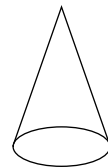


$$V = 23 \text{ mi}^3$$

244)

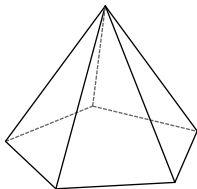


$$V = 4608\pi \text{ cm}^3$$

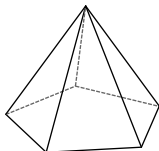


$$V = 1125\pi \text{ cm}^3$$

245)

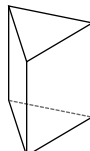


$$V = 2401 \text{ in}^3$$

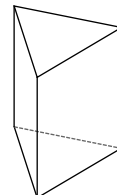


$$V = 7 \text{ in}^3$$

246)

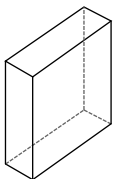


$$V = 224 \text{ km}^3$$

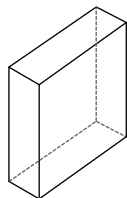


$$V = 20412 \text{ km}^3$$

247)

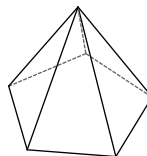


$$V = 19 \text{ cm}^3$$

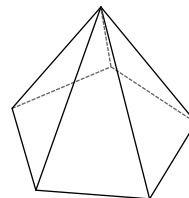


$$V = 9728 \text{ cm}^3$$

248)

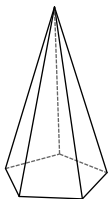


$$V = 351 \text{ cm}^3$$

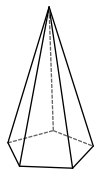


$$V = 832 \text{ cm}^3$$

249)

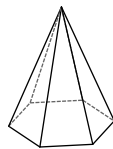


$$V = 2401 \text{ in}^3$$

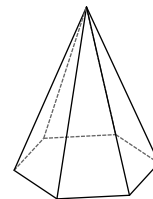


$$V = 56 \text{ in}^3$$

250)

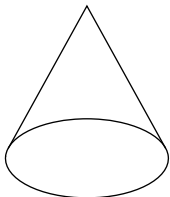


$$V = 1536 \text{ m}^3$$

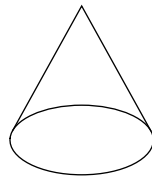


$$V = 3000 \text{ m}^3$$

251)

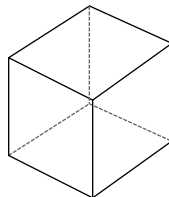


$$V = 6517\pi \text{ cm}^3$$

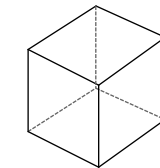


$$V = 4104\pi \text{ cm}^3$$

252)

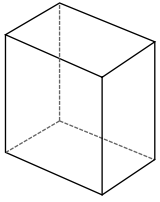


$$V = 7000 \text{ cm}^3$$

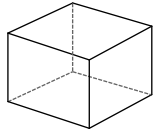


$$V = 7 \text{ cm}^3$$

253)

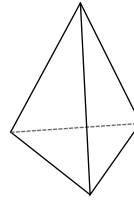


$$V = 3773 \text{ in}^3$$

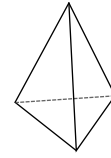


$$V = 11 \text{ in}^3$$

254)

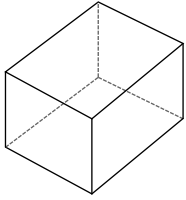


$$V = 21141 \text{ km}^3$$

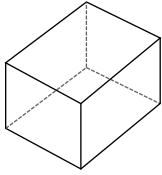


$$V = 29 \text{ km}^3$$

255)

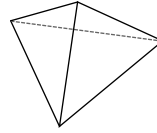


$$V = 6860 \text{ cm}^3$$

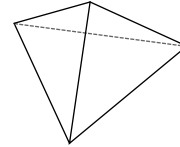


$$V = 1280 \text{ cm}^3$$

256)

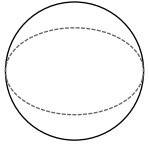


$$V = 6174 \text{ ft}^3$$

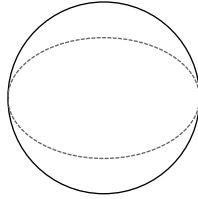


$$V = 18000 \text{ ft}^3$$

257)

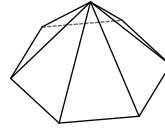


$$V = 14\pi \text{ in}^3$$

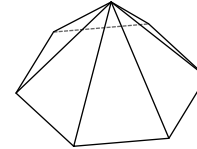


$$V = 896\pi \text{ in}^3$$

258)

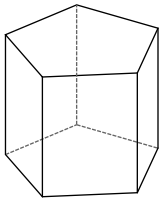


$$V = 136 \text{ cm}^3$$

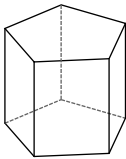


$$V = 459 \text{ cm}^3$$

259)

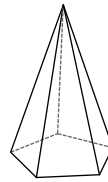


$$V = 18954 \text{ in}^3$$

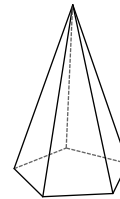


$$V = 26 \text{ in}^3$$

260)

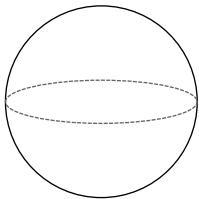


$$V = 13 \text{ cm}^3$$

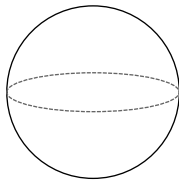


$$V = 4459 \text{ cm}^3$$

261)

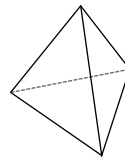


$$V = 9947\pi \text{ yd}^3$$

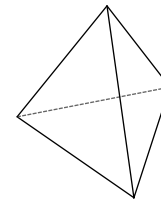


$$V = 232\pi \text{ yd}^3$$

262)

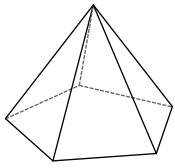


$$V = 4320 \text{ km}^3$$

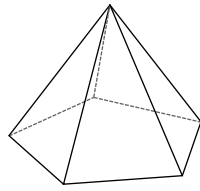


$$V = 20000 \text{ km}^3$$

263)

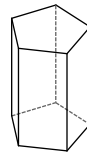


$$V = 104 \text{ mi}^3$$

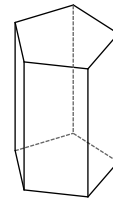


$$V = 832 \text{ mi}^3$$

264)

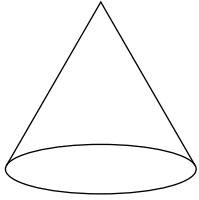


$$V = 594 \text{ mi}^3$$

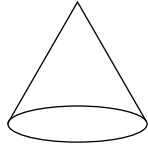


$$V = 11264 \text{ mi}^3$$

265)

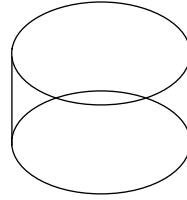


$$V = 21000\pi \text{ m}^3$$

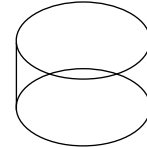


$$V = 15309\pi \text{ m}^3$$

266)

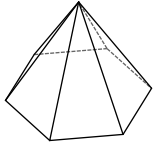


$$V = 12288\pi \text{ cm}^3$$

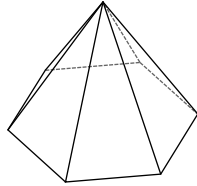


$$V = 3000\pi \text{ cm}^3$$

267)

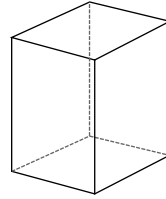


$$V = 384 \text{ cm}^3$$

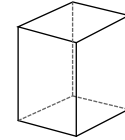


$$V = 6000 \text{ cm}^3$$

268)

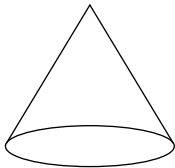


$$V = 1512 \text{ cm}^3$$

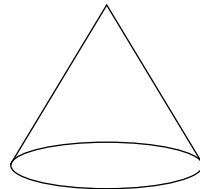


$$V = 448 \text{ cm}^3$$

269)

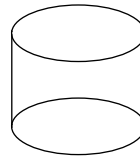


$$V = 224\pi \text{ in}^3$$

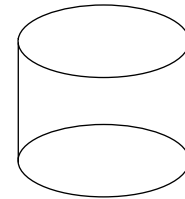


$$V = 9604\pi \text{ in}^3$$

270)

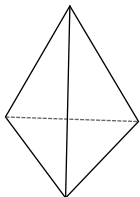


$$V = 810\pi \text{ km}^3$$

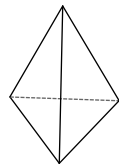


$$V = 10290\pi \text{ km}^3$$

271)

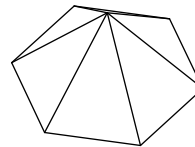


$$V = 7203 \text{ yd}^3$$

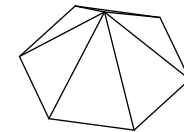


$$V = 4536 \text{ yd}^3$$

272)



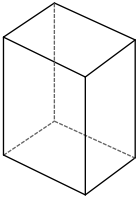
$$V = 6517 \text{ km}^3$$



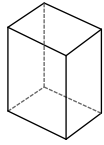
$$V = 152 \text{ km}^3$$



273)

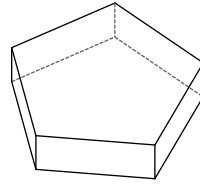


$$V = 152 \text{ cm}^3$$

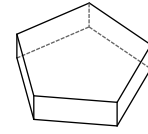


$$V = 19 \text{ cm}^3$$

274)

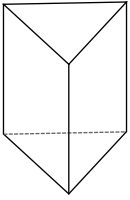


$$V = 19683 \text{ cm}^3$$

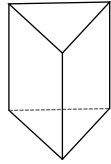


$$V = 1728 \text{ cm}^3$$

275)

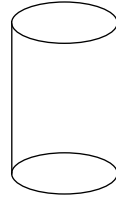


$$V = 243 \text{ m}^3$$

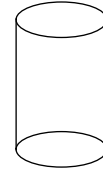


$$V = 9 \text{ m}^3$$

276)

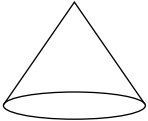


$$V = 7290\pi \text{ mi}^3$$

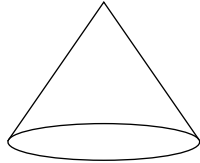


$$V = 270\pi \text{ mi}^3$$

277)

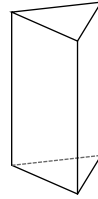


$$V = 6\pi \text{ km}^3$$



$$V = 6000\pi \text{ km}^3$$

278)

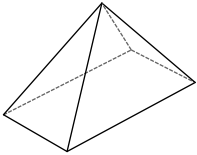


$$V = 2592 \text{ cm}^3$$

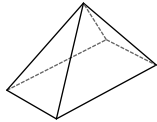


$$V = 1500 \text{ cm}^3$$

279)

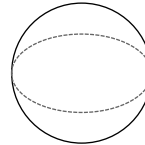


$$V = 18000 \text{ cm}^3$$

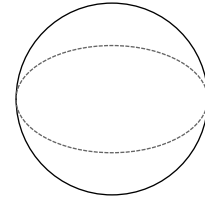


$$V = 2250 \text{ cm}^3$$

280)

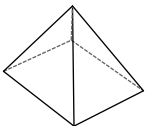


$$V = 7168\pi \text{ cm}^3$$

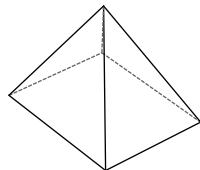


$$V = 10206\pi \text{ cm}^3$$

281)

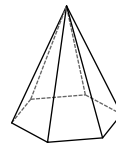


$$V = 625 \text{ m}^3$$

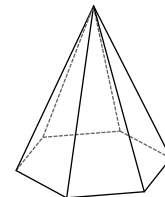


$$V = 5000 \text{ m}^3$$

282)

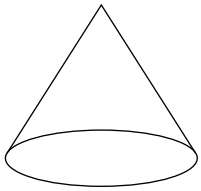


$$V = 768 \text{ m}^3$$

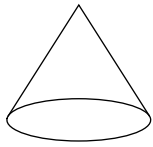


$$V = 1500 \text{ m}^3$$

283)

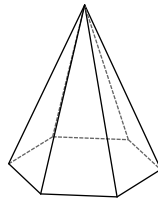


$$V = 1280\pi \text{ yd}^3$$

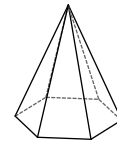


$$V = 160\pi \text{ yd}^3$$

284)

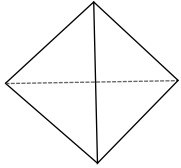


$$V = 15309 \text{ in}^3$$

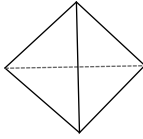


$$V = 1344 \text{ in}^3$$

285)

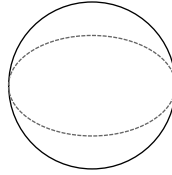


$$V = 14000 \text{ in}^3$$

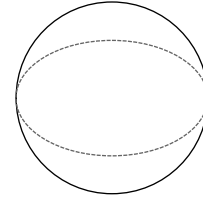


$$V = 112 \text{ in}^3$$

286)

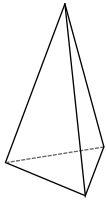


$$V = 5832\pi \text{ m}^3$$

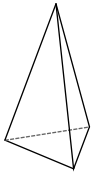


$$V = 9261\pi \text{ m}^3$$

287)

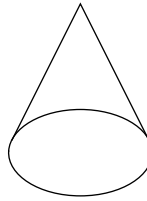


$$V = 9000 \text{ cm}^3$$

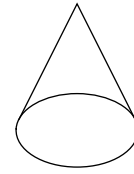


$$V = 243 \text{ cm}^3$$

288)

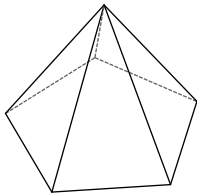


$$V = 8000\pi \text{ cm}^3$$

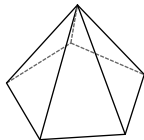


$$V = 5832\pi \text{ cm}^3$$

289)



$$V = 18954 \text{ mi}^3$$

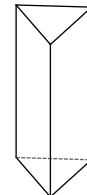


$$V = 208 \text{ mi}^3$$

290)

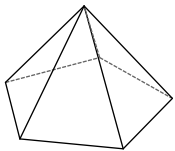


$$V = 15 \text{ in}^3$$

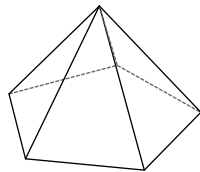


$$V = 960 \text{ in}^3$$

291)

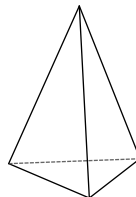


$$V = 324 \text{ in}^3$$

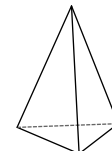


$$V = 12000 \text{ in}^3$$

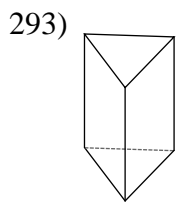
292)



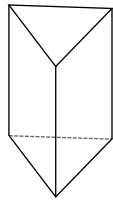
$$V = 8232 \text{ km}^3$$



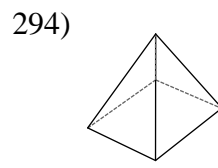
$$V = 648 \text{ km}^3$$



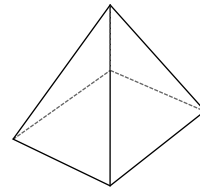
$$V = 21 \text{ mi}^3$$



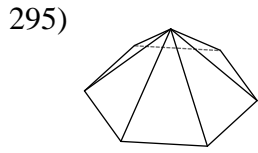
$$V = 10752 \text{ mi}^3$$



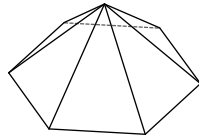
$$V = 3000 \text{ mi}^3$$



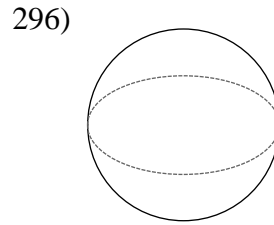
$$V = 24000 \text{ mi}^3$$



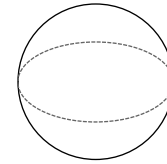
$$V = 1750 \text{ mi}^3$$



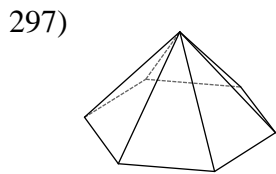
$$V = 3024 \text{ mi}^3$$



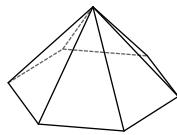
$$V = 8918\pi \text{ in}^3$$



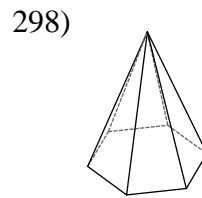
$$V = 1664\pi \text{ in}^3$$



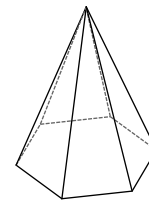
$$V = 23000 \text{ mi}^3$$



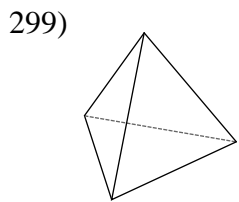
$$V = 2875 \text{ mi}^3$$



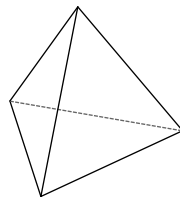
$$V = 1536 \text{ m}^3$$



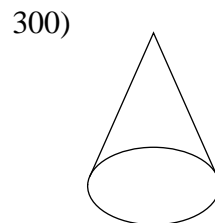
$$V = 3000 \text{ m}^3$$



$$V = 240 \text{ mi}^3$$



$$V = 1920 \text{ mi}^3$$

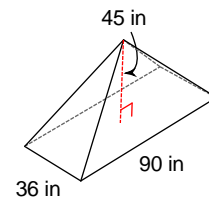
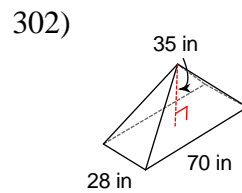
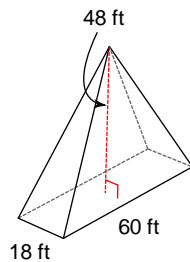
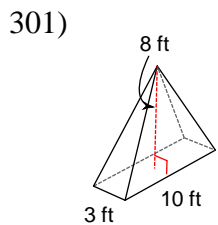


$$V = 7680\pi \text{ cm}^3$$

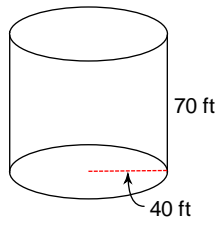
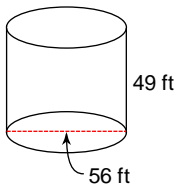


$$V = 405\pi \text{ cm}^3$$

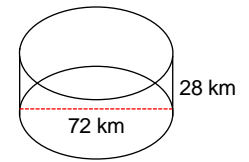
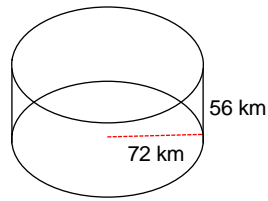
**Find the scale factor, surface areas ratio and ratio of volumens.**



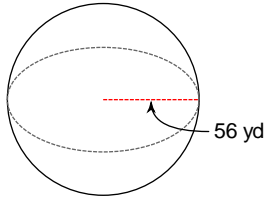
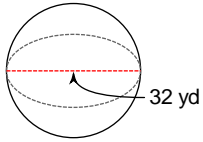
303)



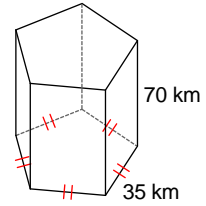
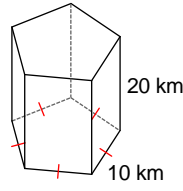
304)



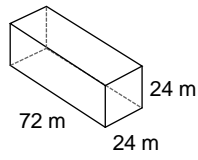
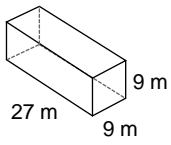
305)



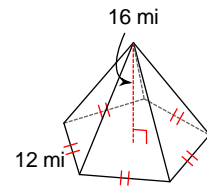
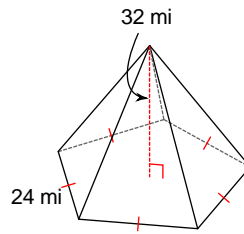
306)



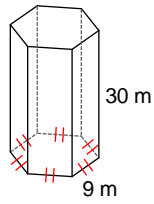
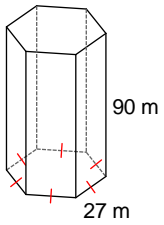
307)



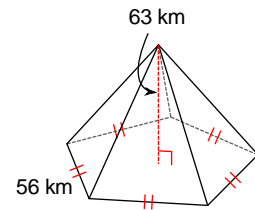
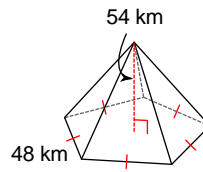
308)



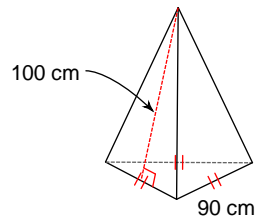
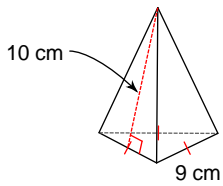
309)



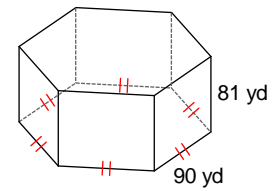
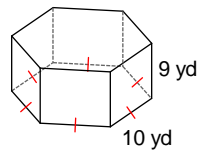
310)



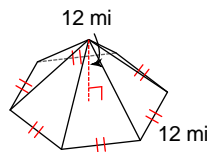
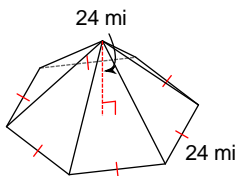
311)



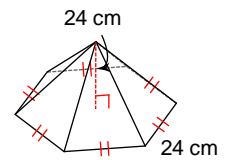
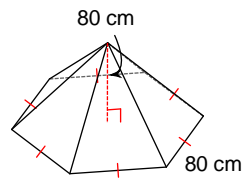
312)



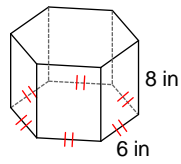
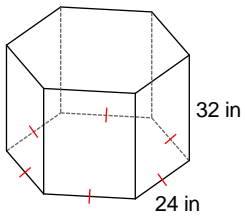
313)



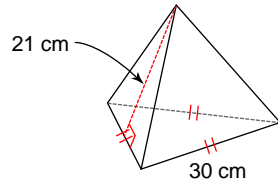
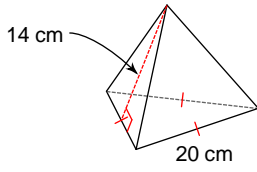
314)



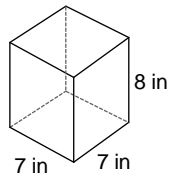
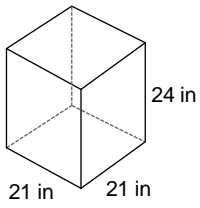
315)



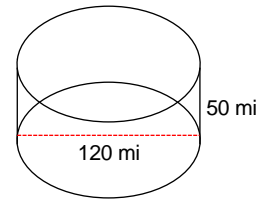
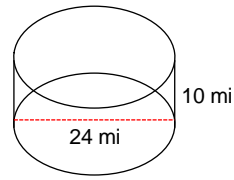
316)



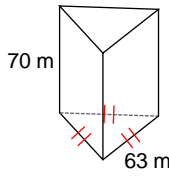
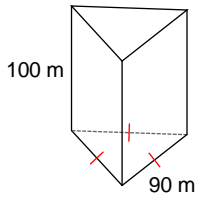
317)



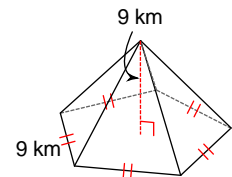
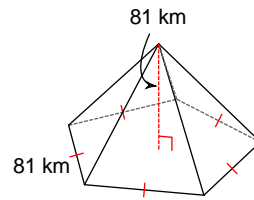
318)



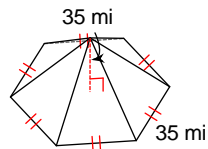
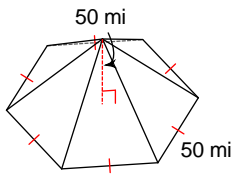
319)



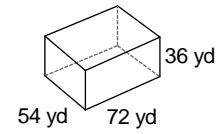
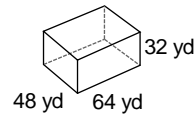
320)



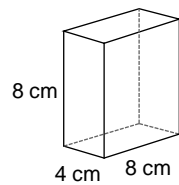
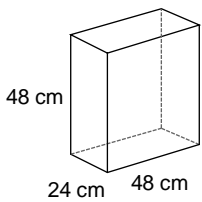
321)



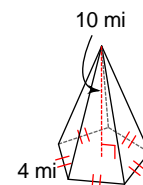
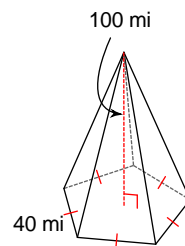
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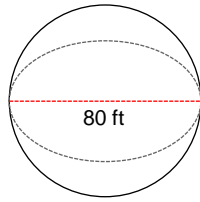
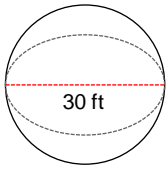
323)



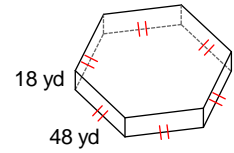
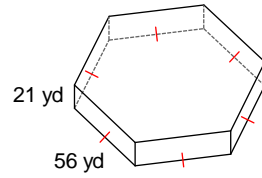
324)



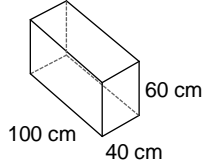
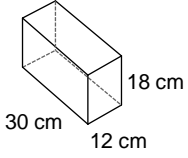
325)



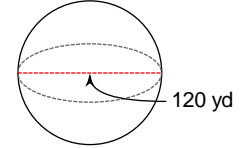
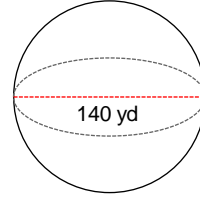
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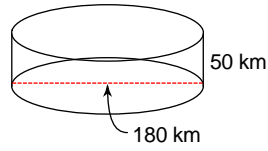
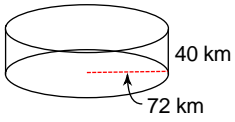
327)



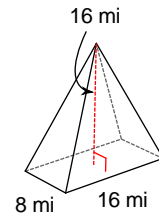
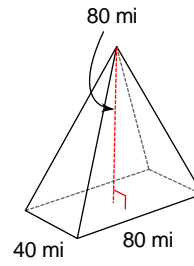
328)



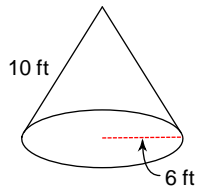
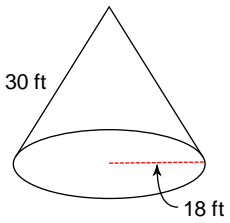
329)



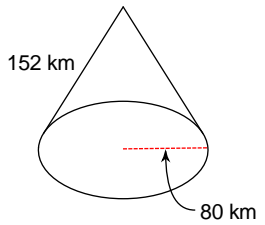
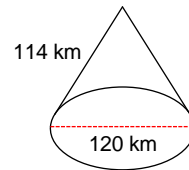
330)



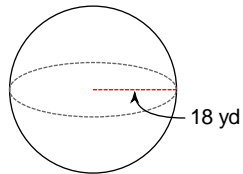
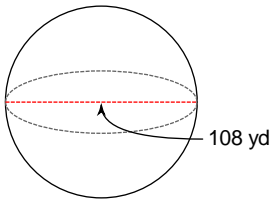
331)



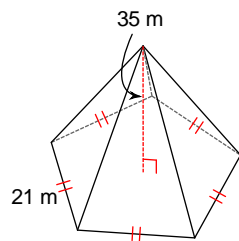
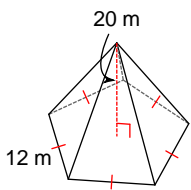
332)



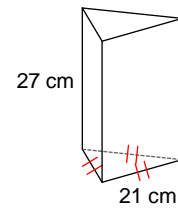
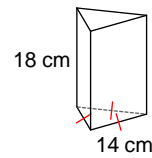
333)



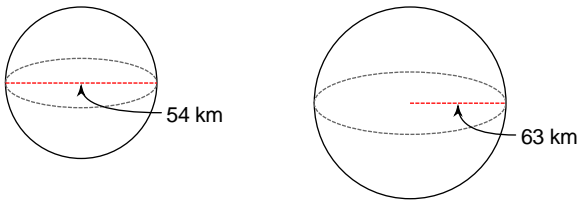
334)



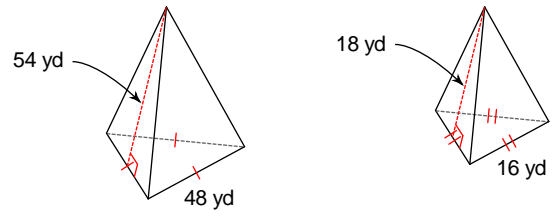
335)



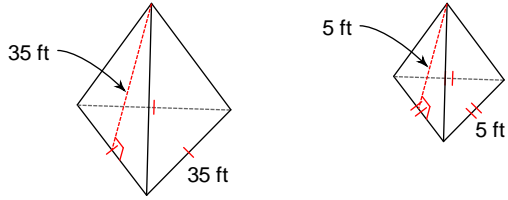
336)



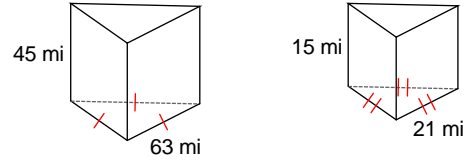
337)



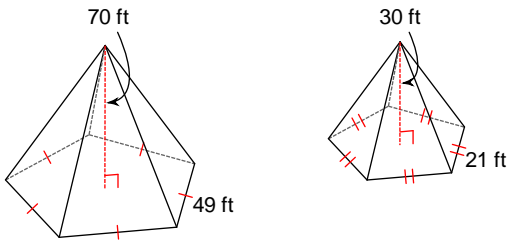
338)



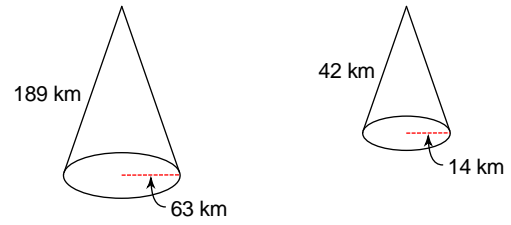
339)



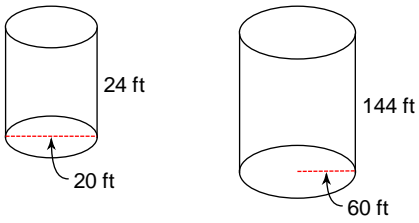
340)



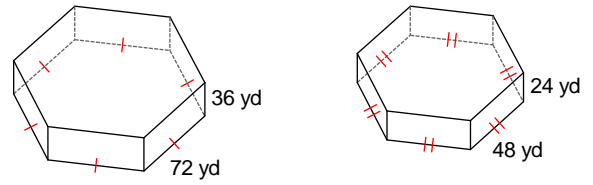
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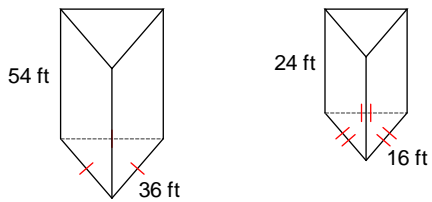
342)



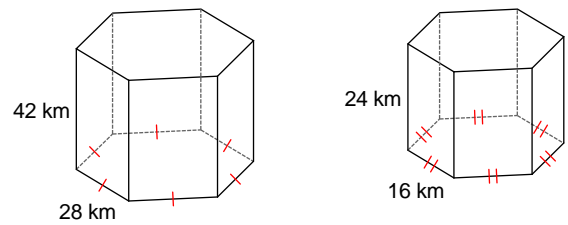
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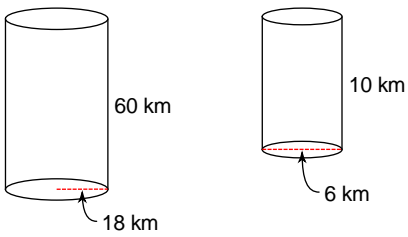
344)



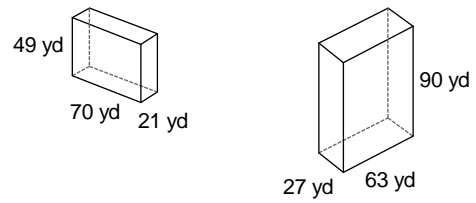
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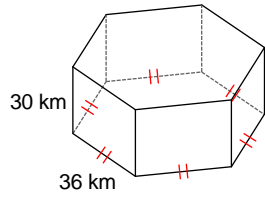
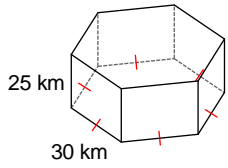
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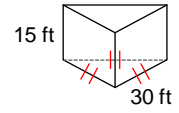
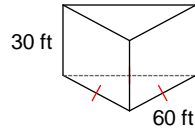
347)



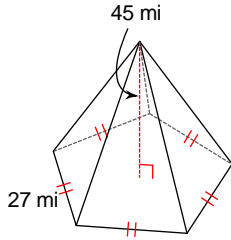
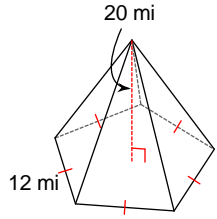
348)



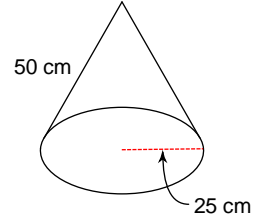
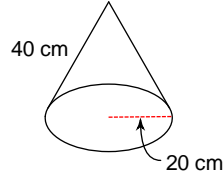
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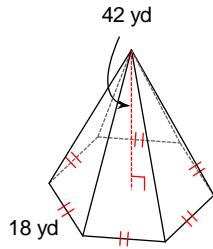
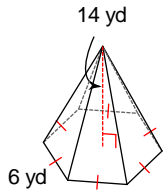
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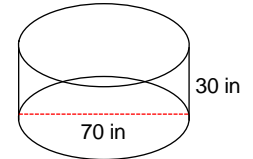
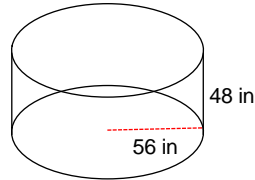
351)



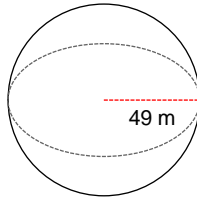
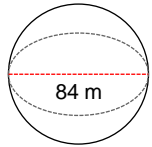
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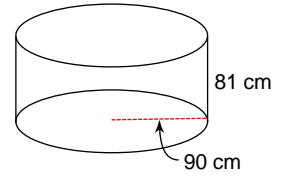
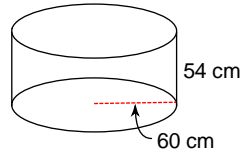
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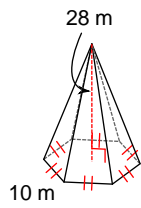
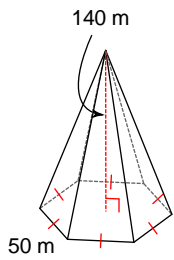
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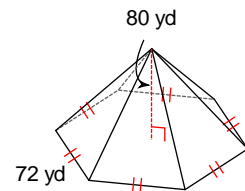
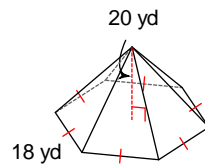
355)



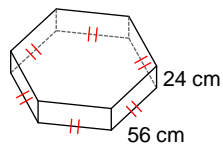
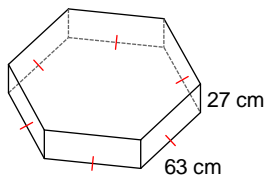
356)



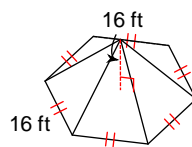
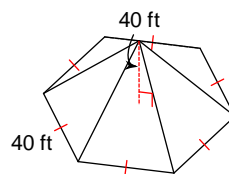
357)



358)

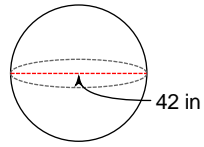
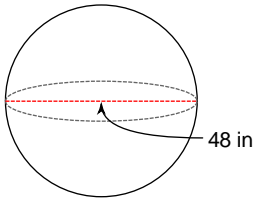


359)

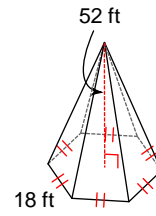
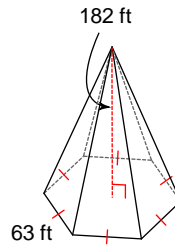




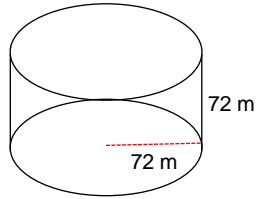
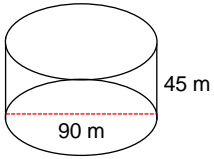
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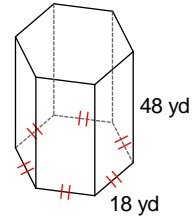
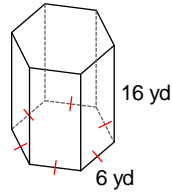
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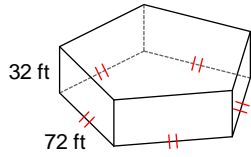
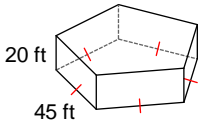
362)



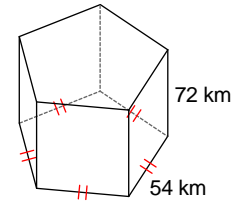
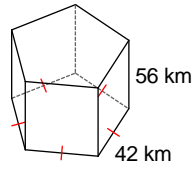
363)



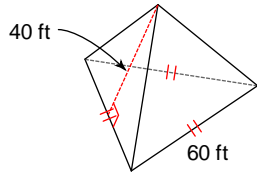
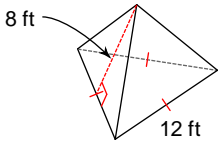
364)



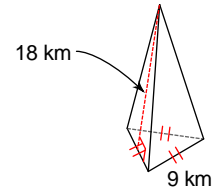
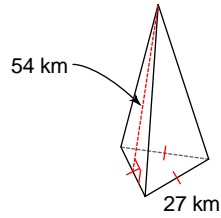
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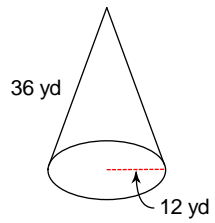
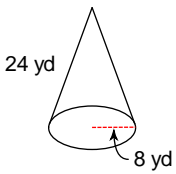
366)



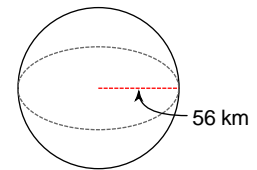
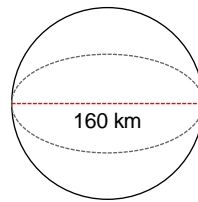
367)



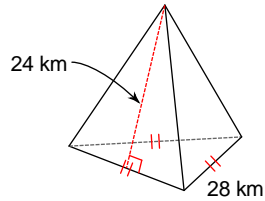
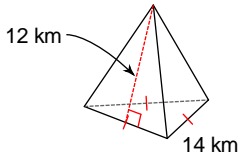
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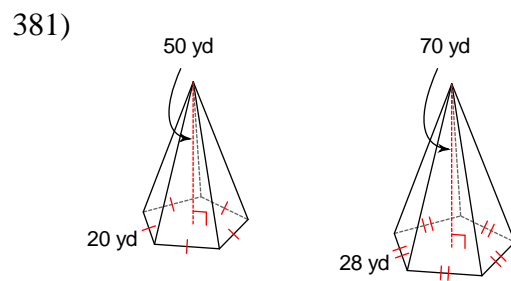
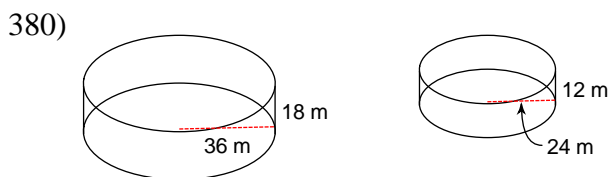
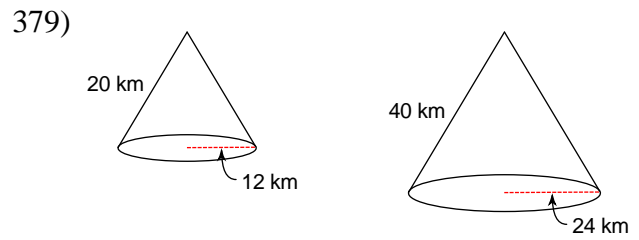
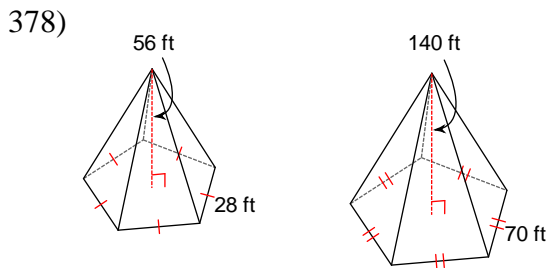
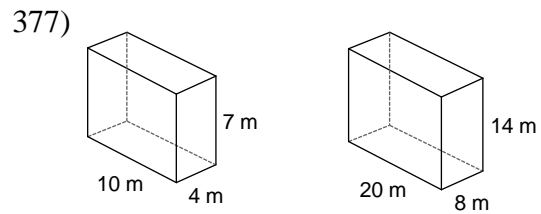
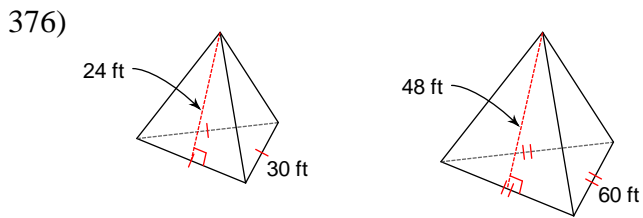
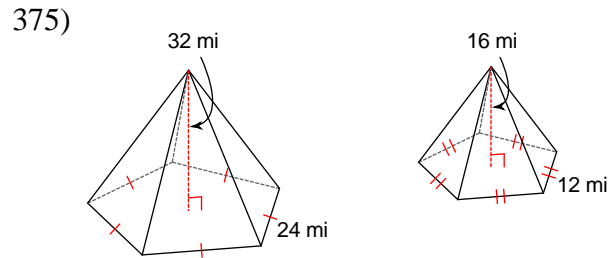
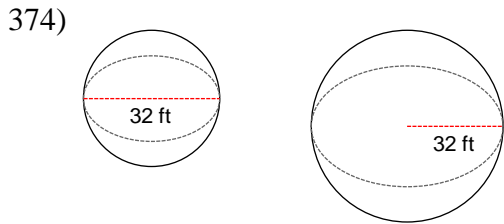
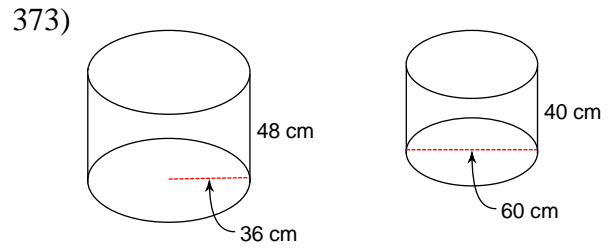
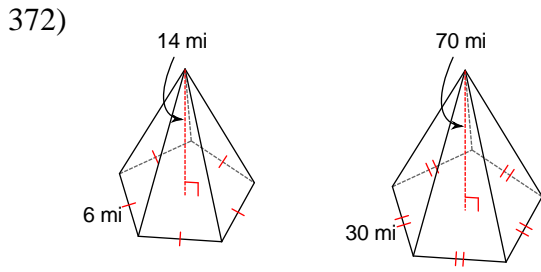
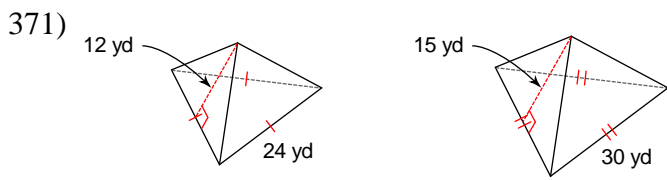


369)

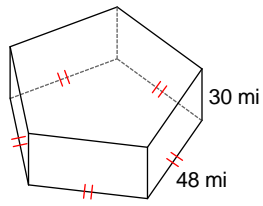
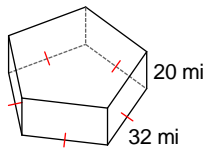


370)

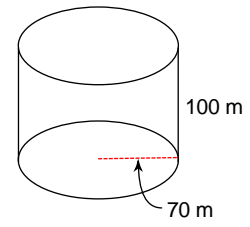
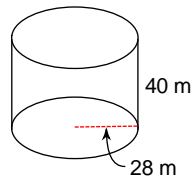




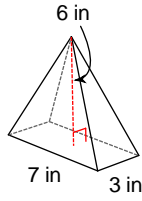
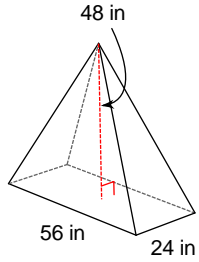
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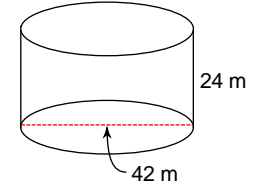
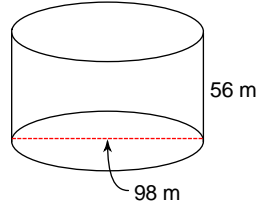
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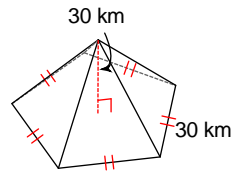
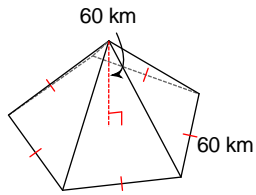
384)



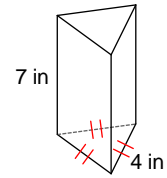
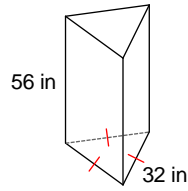
385)



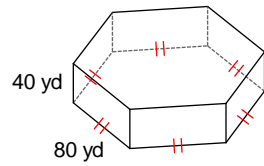
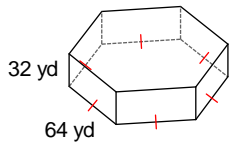
386)



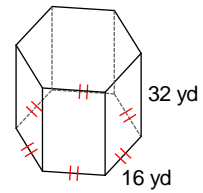
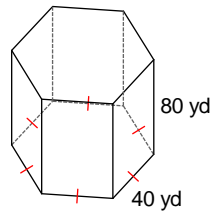
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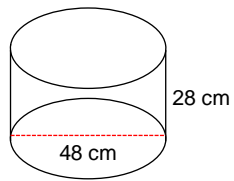
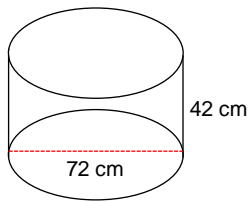
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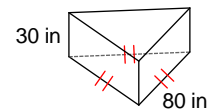
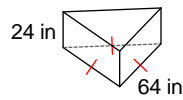
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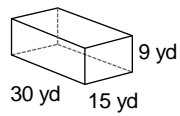
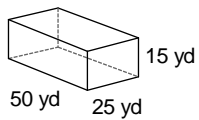
390)



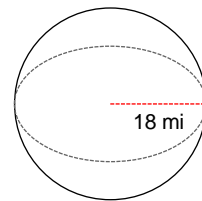
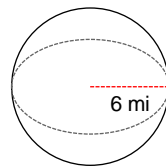
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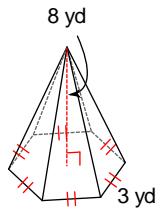
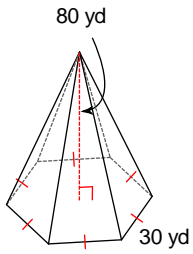
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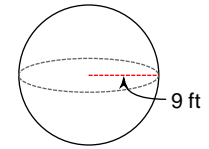
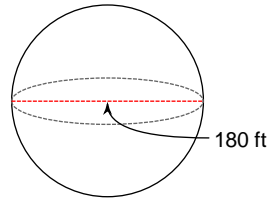
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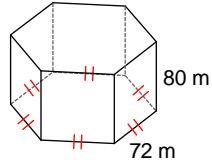
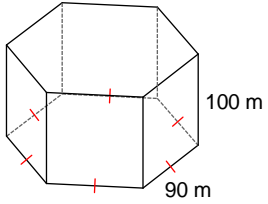
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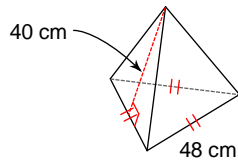
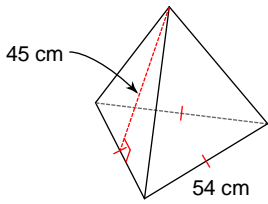
395)



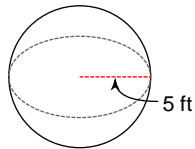
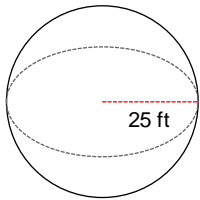
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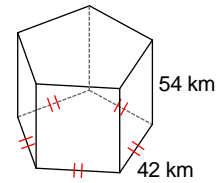
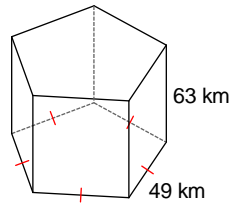
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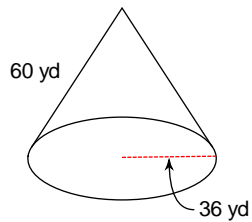
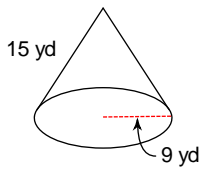
398)



399)



400)



**Find the volumens and surface areas:**

401) scale factor = 7 : 9  
 SA = 735 yd<sup>2</sup>  
 V = 6174 yd<sup>3</sup>

402) scale factor = 7 : 10  
 SA = 980 cm<sup>2</sup>  
 V = 9604 cm<sup>3</sup>

403) scale factor = 7 : 9  
 SA = 392 mi<sup>2</sup>  
 V = 6517 mi<sup>3</sup>

404) scale factor = 7 : 8  
 SA = 343 ft<sup>2</sup>  
 V = 2401 ft<sup>3</sup>

405) scale factor = 1 : 2  
SA = 68 km<sup>2</sup>  
V = 104 km<sup>3</sup>

406) scale factor = 3 : 7  
SA = 153 m<sup>2</sup>  
V = 351 m<sup>3</sup>

407) scale factor = 1 : 3  
SA = 20 km<sup>2</sup>  
V = 240 km<sup>3</sup>

408) scale factor = 3 : 5  
SA = 684 m<sup>2</sup>  
V = 6480 m<sup>3</sup>

409) scale factor = 3 : 5  
SA = 36 cm<sup>2</sup>  
V = 4968 cm<sup>3</sup>

410) scale factor = 4 : 5  
SA = 768 yd<sup>2</sup>  
V = 7168 yd<sup>3</sup>

411) scale factor = 1 : 4  
SA = 12 cm<sup>2</sup>  
V = 12 cm<sup>3</sup>

412) scale factor = 3 : 5  
SA = 72 ft<sup>2</sup>  
V = 1512 ft<sup>3</sup>

413) scale factor = 9 : 10  
SA = 1296 ft<sup>2</sup>  
V = 15309 ft<sup>3</sup>

414) scale factor = 1 : 4  
SA = 80 mi<sup>2</sup>  
V = 216 mi<sup>3</sup>

415) scale factor = 3 : 4  
SA = 396 mi<sup>2</sup>  
V = 2160 mi<sup>3</sup>

416) scale factor = 2 : 5  
SA = 64 km<sup>2</sup>  
V = 1600 km<sup>3</sup>

417) scale factor = 4 : 5  
SA = 832 mi<sup>2</sup>  
V = 10752 mi<sup>3</sup>

418) scale factor = 1 : 8  
SA = 3 yd<sup>2</sup>  
V = 18 yd<sup>3</sup>

419) scale factor = 1 : 6  
SA = 15 km<sup>2</sup>  
V = 25 km<sup>3</sup>

420) scale factor = 5 : 8  
SA = 275 km<sup>2</sup>  
V = 3375 km<sup>3</sup>

421) scale factor = 3 : 4  
SA = 576 km<sup>2</sup>  
V = 3024 km<sup>3</sup>

422) scale factor = 7 : 9  
SA = 294 mi<sup>2</sup>  
V = 6174 mi<sup>3</sup>

423) scale factor = 1 : 8  
SA = 4 yd<sup>2</sup>  
V = 15 yd<sup>3</sup>

424) scale factor = 1 : 2  
SA = 375 ft<sup>2</sup>  
V = 875 ft<sup>3</sup>

425) scale factor = 2 : 3  
SA = 80 ft<sup>2</sup>  
V = 512 ft<sup>3</sup>

426) scale factor = 1 : 2  
SA = 48 m<sup>2</sup>  
V = 1088 m<sup>3</sup>

427) scale factor = 1 : 7  
SA = 5 cm<sup>2</sup>  
V = 22 cm<sup>3</sup>

428) scale factor = 7 : 8  
SA = 245 cm<sup>2</sup>  
V = 3087 cm<sup>3</sup>

429) scale factor = 5 : 8  
SA = 175 m<sup>2</sup>  
V = 875 m<sup>3</sup>

430) scale factor = 5 : 7  
SA = 350 ft<sup>2</sup>  
V = 3250 ft<sup>3</sup>

431) scale factor = 2 : 7  
SA = 16 yd<sup>2</sup>  
V = 240 yd<sup>3</sup>

432) scale factor = 1 : 8  
SA = 14 in<sup>2</sup>  
V = 13 in<sup>3</sup>

433) scale factor = 1 : 6  
SA = 9 yd<sup>2</sup>  
V = 12 yd<sup>3</sup>

434) scale factor = 2 : 7  
SA = 68 yd<sup>2</sup>  
V = 144 yd<sup>3</sup>

435) scale factor = 1 : 8  
SA = 16 m<sup>2</sup>  
V = 23 m<sup>3</sup>

436) scale factor = 3 : 4  
SA = 63 m<sup>2</sup>  
V = 243 m<sup>3</sup>

437) scale factor = 2 : 5  
SA = 224 ft<sup>2</sup>  
V = 1792 ft<sup>3</sup>

438) scale factor = 1 : 3  
SA = 90 yd<sup>2</sup>  
V = 270 yd<sup>3</sup>

439) scale factor = 3 : 7  
SA = 135 mi<sup>2</sup>  
V = 216 mi<sup>3</sup>

440) scale factor = 1 : 3  
SA = 162 ft<sup>2</sup>  
V = 756 ft<sup>3</sup>

441) scale factor = 4 : 7  
SA = 96 mi<sup>2</sup>  
V = 1792 mi<sup>3</sup>

442) scale factor = 4 : 9  
SA = 224 mi<sup>2</sup>  
V = 384 mi<sup>3</sup>

443) scale factor = 1 : 7  
SA = 18 yd<sup>2</sup>  
V = 9 yd<sup>3</sup>

444) scale factor = 5 : 8  
SA = 450 ft<sup>2</sup>  
V = 875 ft<sup>3</sup>

445) scale factor = 2 : 3  
SA = 224 ft<sup>2</sup>  
V = 768 ft<sup>3</sup>

446) scale factor = 5 : 9  
SA = 475 yd<sup>2</sup>  
V = 1250 yd<sup>3</sup>

447) scale factor = 2 : 3  
SA = 96 cm<sup>2</sup>  
V = 1152 cm<sup>3</sup>

448) scale factor = 5 : 7  
SA = 275 yd<sup>2</sup>  
V = 3500 yd<sup>3</sup>

449) scale factor = 1 : 2  
SA = 180 ft<sup>2</sup>  
V = 324 ft<sup>3</sup>

450) scale factor = 1 : 2  
SA = 272 cm<sup>2</sup>  
V = 1472 cm<sup>3</sup>

451) scale factor = 4 : 7  
SA = 192 in<sup>2</sup>  
V = 1216 in<sup>3</sup>

452) scale factor = 4 : 5  
SA = 288 km<sup>2</sup>  
V = 512 km<sup>3</sup>

453) scale factor = 2 : 3  
SA = 240 yd<sup>2</sup>  
V = 640 yd<sup>3</sup>

454) scale factor = 4 : 5  
SA = 64 cm<sup>2</sup>  
V = 1152 cm<sup>3</sup>

455) scale factor = 3 : 5  
SA = 144 mi<sup>2</sup>  
V = 648 mi<sup>3</sup>

456) scale factor = 1 : 8  
SA = 2 ft<sup>2</sup>  
V = 30 ft<sup>3</sup>

457) scale factor = 2 : 5  
SA = 8 mi<sup>2</sup>  
V = 96 mi<sup>3</sup>

458) scale factor = 1 : 7  
SA = 19 km<sup>2</sup>  
V = 22 km<sup>3</sup>

459) scale factor = 7 : 9  
SA = 833 km<sup>2</sup>  
V = 5145 km<sup>3</sup>

460) scale factor = 5 : 9  
SA = 125 mi<sup>2</sup>  
V = 3500 mi<sup>3</sup>

461) scale factor = 1 : 3  
SA = 36 yd<sup>2</sup>  
V = 783 yd<sup>3</sup>

462) scale factor = 4 : 5  
SA = 208 mi<sup>2</sup>  
V = 1216 mi<sup>3</sup>

463) scale factor = 5 : 9  
SA = 100 in<sup>2</sup>  
V = 1625 in<sup>3</sup>

464) scale factor = 2 : 3  
SA = 8 ft<sup>2</sup>  
V = 168 ft<sup>3</sup>

465) scale factor = 3 : 7  
SA = 108 yd<sup>2</sup>  
V = 702 yd<sup>3</sup>

466) scale factor = 1 : 3  
SA = 108 in<sup>2</sup>  
V = 135 in<sup>3</sup>

467) scale factor = 6 : 7  
SA = 108 cm<sup>2</sup>  
V = 6480 cm<sup>3</sup>

468) scale factor = 1 : 7  
SA = 12 cm<sup>2</sup>  
V = 23 cm<sup>3</sup>

469) scale factor = 1 : 9  
SA = 9 mi<sup>2</sup>  
V = 22 mi<sup>3</sup>

470) scale factor = 1 : 3  
SA = 56 yd<sup>2</sup>  
V = 72 yd<sup>3</sup>

471) scale factor = 1 : 2  
SA = 48 km<sup>2</sup>  
V = 152 km<sup>3</sup>

472) scale factor = 1 : 6  
SA = 17 km<sup>2</sup>  
V = 13 km<sup>3</sup>

473) scale factor = 1 : 2  
SA = 288 yd<sup>2</sup>  
V = 768 yd<sup>3</sup>

474) scale factor = 5 : 6  
SA = 300 cm<sup>2</sup>  
V = 1000 cm<sup>3</sup>

475) scale factor = 5 : 8  
SA = 50 mi<sup>2</sup>  
V = 875 mi<sup>3</sup>

476) scale factor = 7 : 9  
SA = 49 ft<sup>2</sup>  
V = 5488 ft<sup>3</sup>

477) scale factor = 7 : 9  
SA = 49 m<sup>2</sup>  
V = 6517 m<sup>3</sup>

478) scale factor = 7 : 8  
SA = 392 yd<sup>2</sup>  
V = 3430 yd<sup>3</sup>

479) scale factor = 6 : 7  
SA = 684 in<sup>2</sup>  
V = 1512 in<sup>3</sup>

480) scale factor = 1 : 4  
SA = 1 yd<sup>2</sup>  
V = 5 yd<sup>3</sup>

481) scale factor = 4 : 9  
SA = 112 km<sup>2</sup>  
V = 1792 km<sup>3</sup>

482) scale factor = 1 : 2  
SA = 16 m<sup>2</sup>  
V = 11 m<sup>3</sup>

483) scale factor = 1 : 10  
SA = 5 m<sup>2</sup>  
V = 16 m<sup>3</sup>

484) scale factor = 3 : 5  
SA = 126 yd<sup>2</sup>  
V = 486 yd<sup>3</sup>



485) scale factor = 6 : 7  
SA = 180 yd<sup>2</sup>  
V = 2592 yd<sup>3</sup>

486) scale factor = 3 : 8  
SA = 72 mi<sup>2</sup>  
V = 810 mi<sup>3</sup>

487) scale factor = 4 : 5  
SA = 208 in<sup>2</sup>  
V = 448 in<sup>3</sup>

488) scale factor = 5 : 6  
SA = 475 mi<sup>2</sup>  
V = 2000 mi<sup>3</sup>

489) scale factor = 1 : 8  
SA = 20 mi<sup>2</sup>  
V = 11 mi<sup>3</sup>

490) scale factor = 1 : 6  
SA = 4 yd<sup>2</sup>  
V = 19 yd<sup>3</sup>

491) scale factor = 4 : 5  
SA = 1152 in<sup>2</sup>  
V = 3584 in<sup>3</sup>

492) scale factor = 3 : 5  
SA = 135 ft<sup>2</sup>  
V = 351 ft<sup>3</sup>

493) scale factor = 1 : 6  
SA = 11 cm<sup>2</sup>  
V = 30 cm<sup>3</sup>

494) scale factor = 1 : 6  
SA = 12 yd<sup>2</sup>  
V = 13 yd<sup>3</sup>

495) scale factor = 3 : 5  
SA = 612 in<sup>2</sup>  
V = 3024 in<sup>3</sup>

496) scale factor = 5 : 7  
SA = 475 mi<sup>2</sup>  
V = 3000 mi<sup>3</sup>

497) scale factor = 2 : 9  
SA = 16 mi<sup>2</sup>  
V = 96 mi<sup>3</sup>

498) scale factor = 8 : 9  
SA = 896 mi<sup>2</sup>  
V = 9728 mi<sup>3</sup>

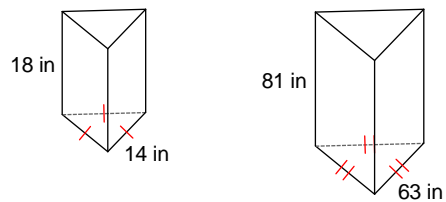
499) scale factor = 5 : 6  
SA = 500 km<sup>2</sup>  
V = 2000 km<sup>3</sup>

500) scale factor = 3 : 10  
SA = 108 cm<sup>2</sup>  
V = 621 cm<sup>3</sup>

# Solids similarity

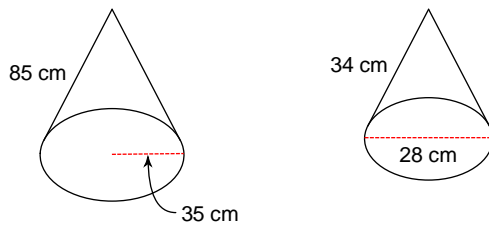
Is this pair of solids similar? Give answer with Yes or No.

1)



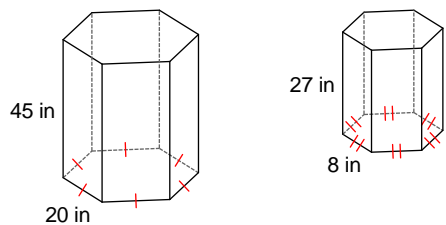
Yes

2)



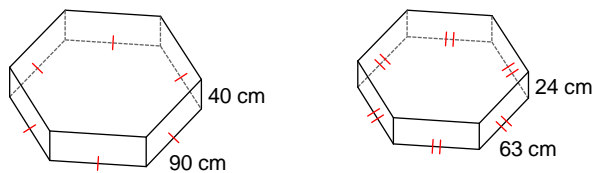
Yes

3)



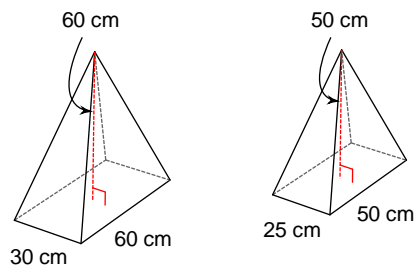
No

4)



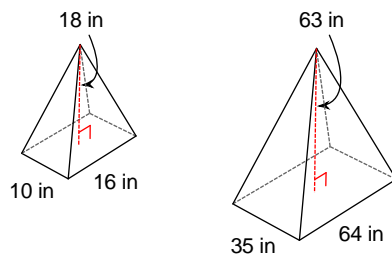
No

5)



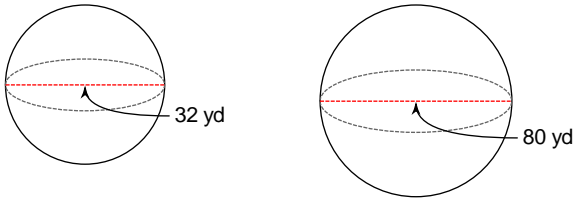
Yes

6)



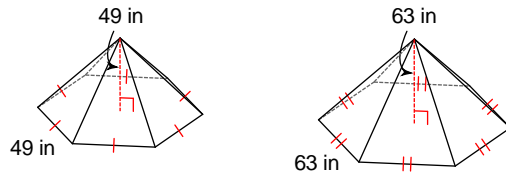
No

7)



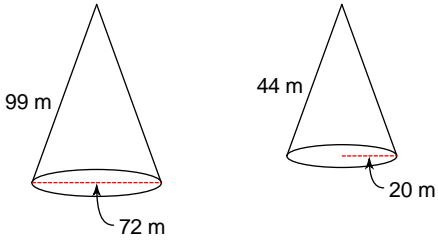
Yes

8)



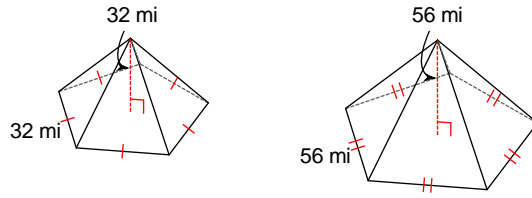
Yes

9)



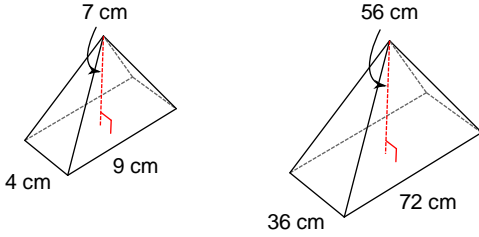
No

10)



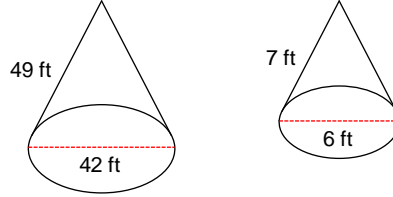
Yes

11)



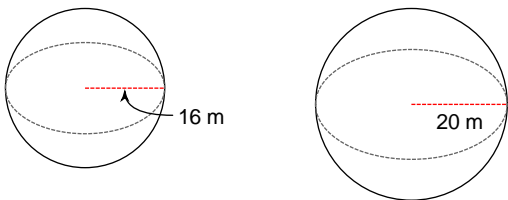
No

12)



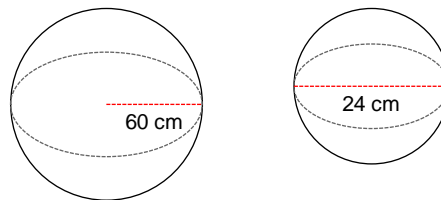
Yes

13)



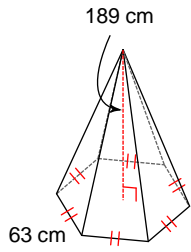
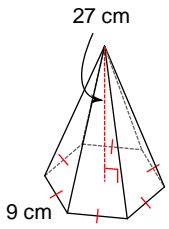
Yes

14)



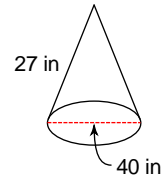
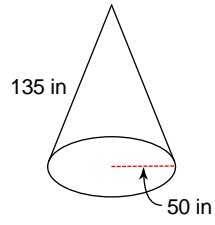
Yes

15)



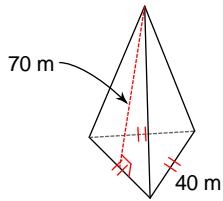
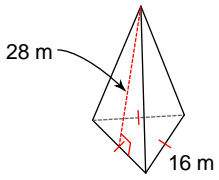
Yes

16)



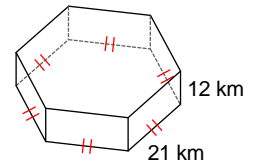
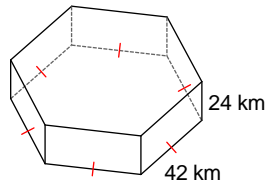
No

17)



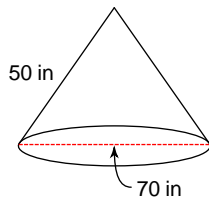
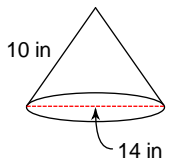
Yes

18)



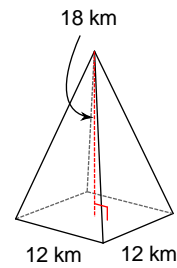
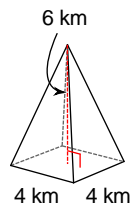
Yes

19)



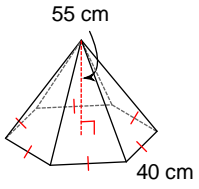
Yes

20)

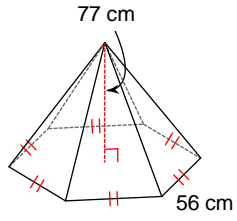


Yes

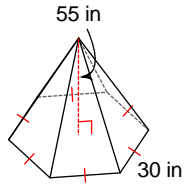
21)



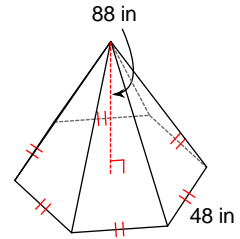
Yes



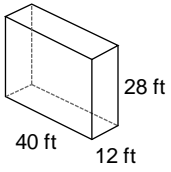
22)



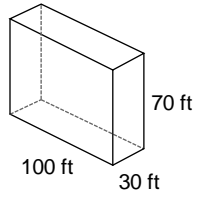
Yes



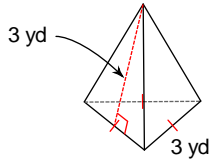
23)



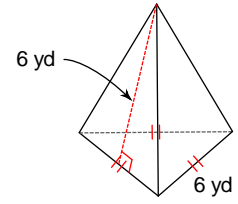
Yes



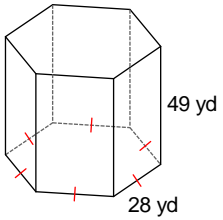
24)



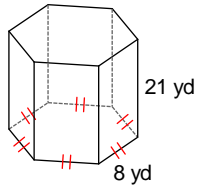
Yes



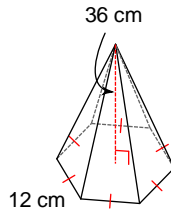
25)



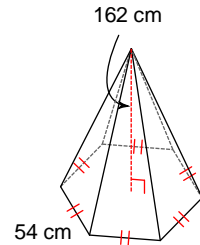
No



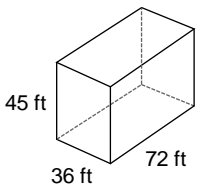
26)



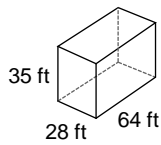
Yes



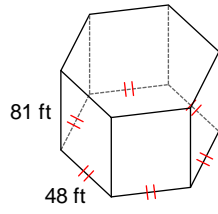
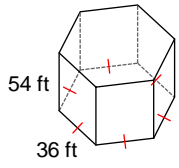
27)



No

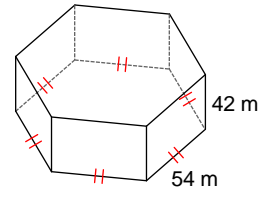
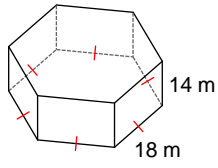


28)



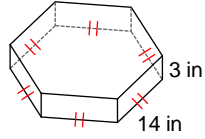
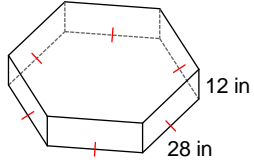
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29)



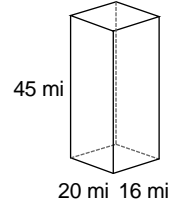
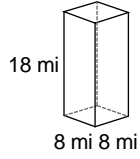
Yes

30)



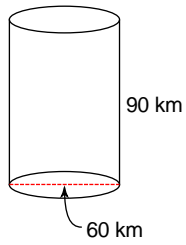
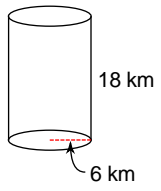
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31)



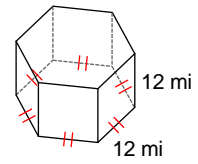
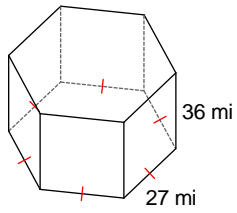
No

32)



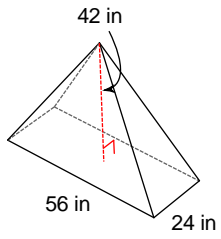
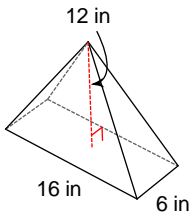
Yes

33)



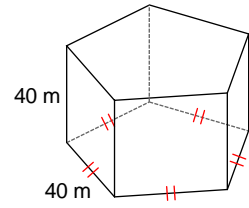
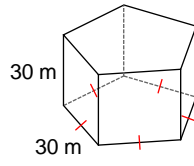
No

34)



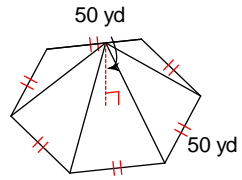
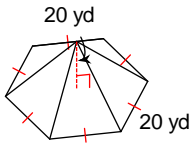
No

35)



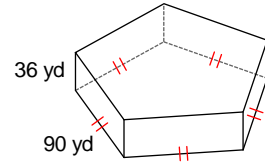
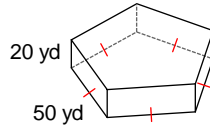
Yes

36)



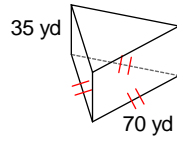
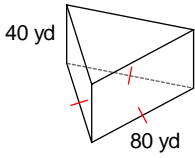
Yes

37)



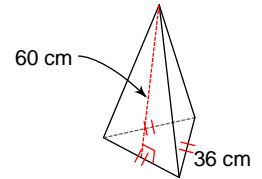
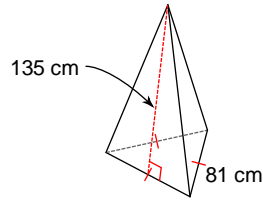
Yes

38)



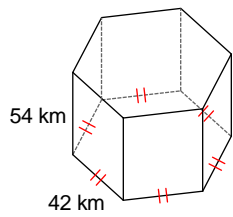
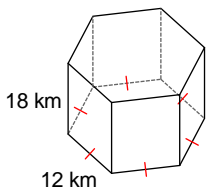
Yes

39)



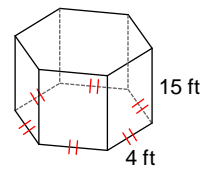
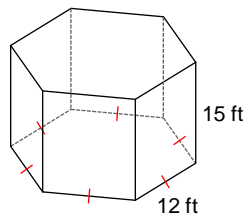
Yes

40)



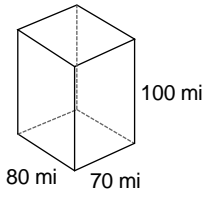
No

41)

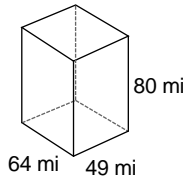


No

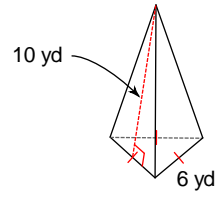
42)



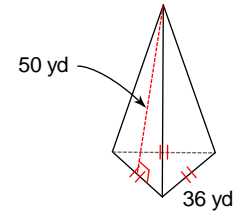
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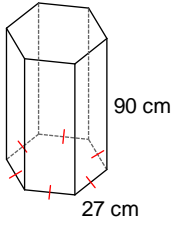
43)



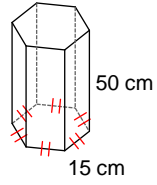
No



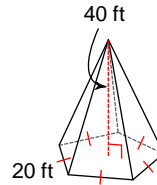
44)



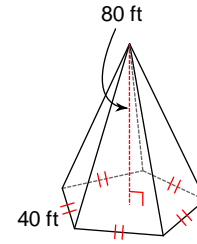
Yes



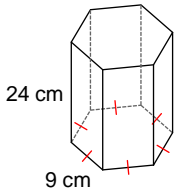
45)



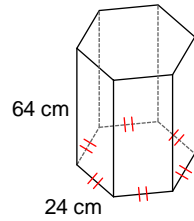
Yes



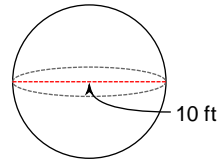
46)



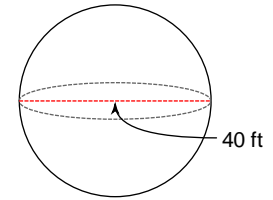
Yes



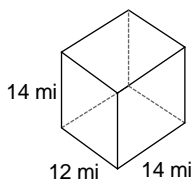
47)



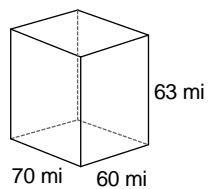
Yes



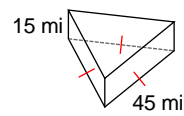
48)



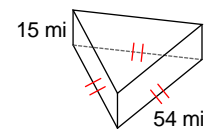
No



49)

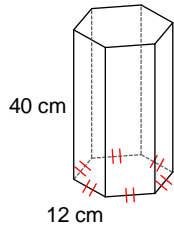
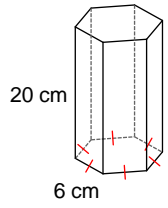


No



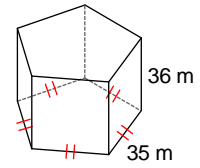
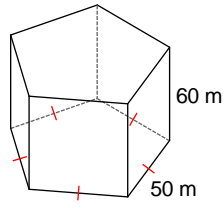


50)



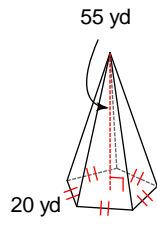
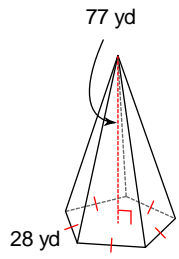
Yes

51)



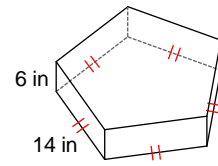
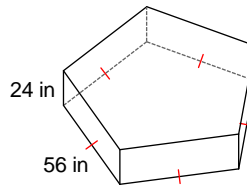
No

52)



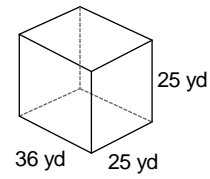
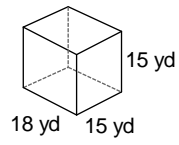
Yes

53)



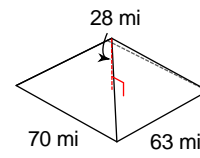
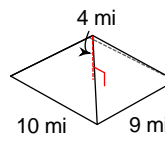
Yes

54)



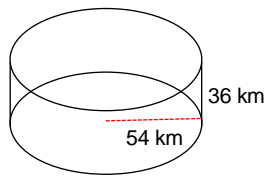
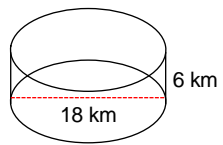
No

55)



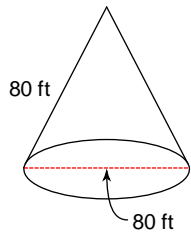
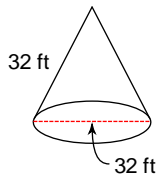
Yes

56)



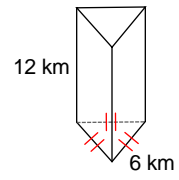
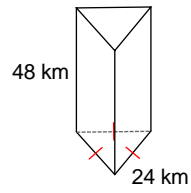
Yes

57)



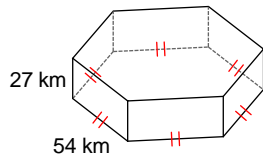
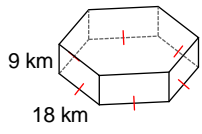
Yes

58)



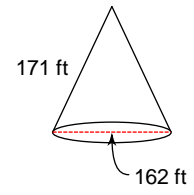
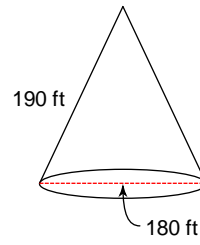
Yes

59)



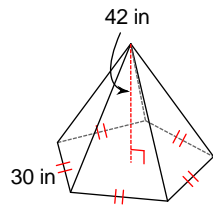
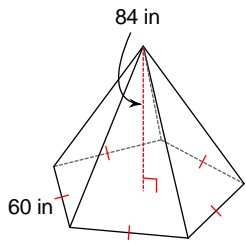
Yes

60)



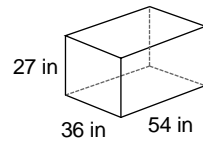
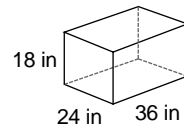
Yes

61)



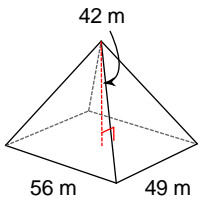
Yes

62)

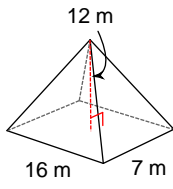


Yes

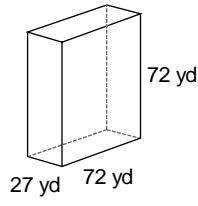
63)



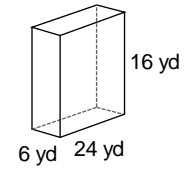
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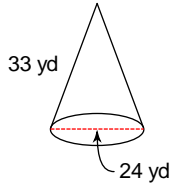
64)



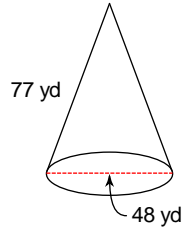
No



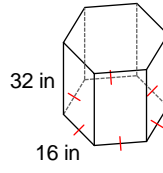
65)



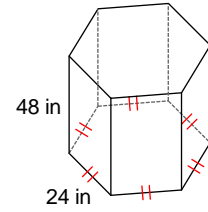
No



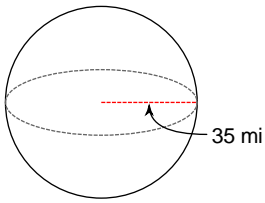
66)



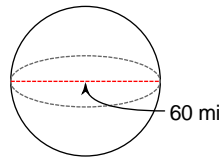
Yes



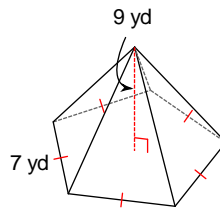
67)



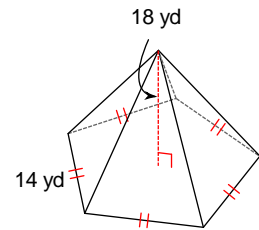
Yes



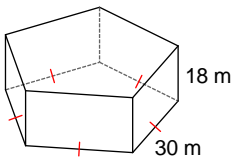
68)



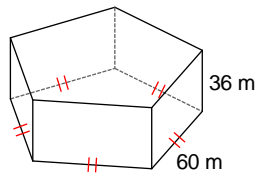
Yes



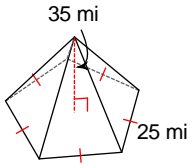
69)



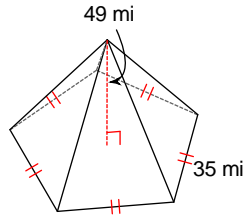
Yes



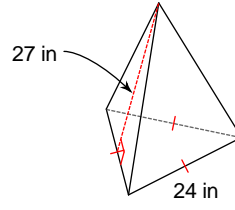
70)



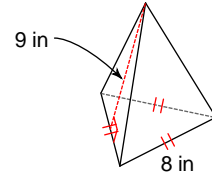
Yes



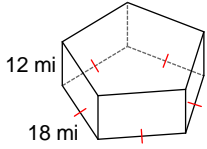
71)



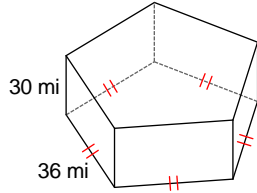
Yes



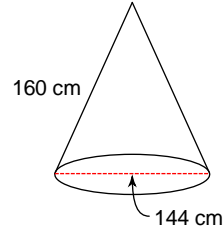
72)



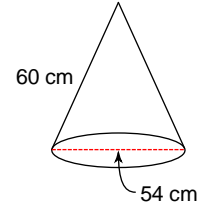
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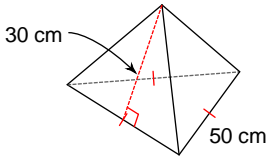
73)



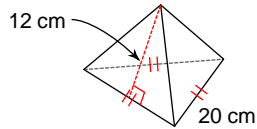
Yes



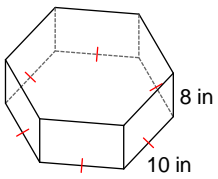
74)



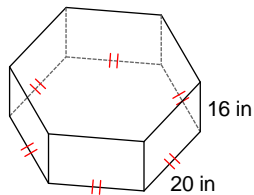
Yes



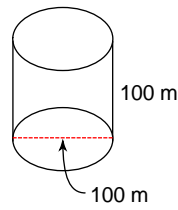
75)



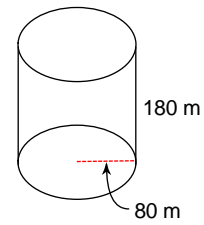
Yes



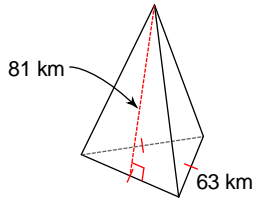
76)



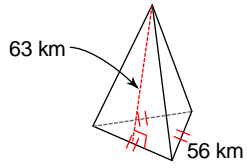
No



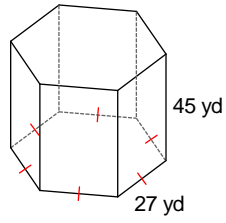
77)



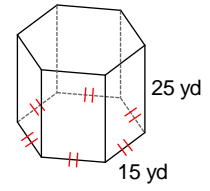
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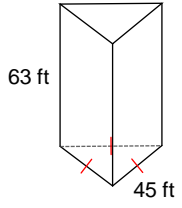
78)



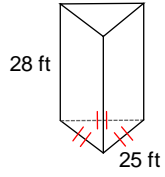
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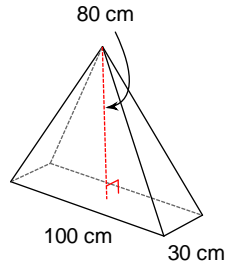
79)



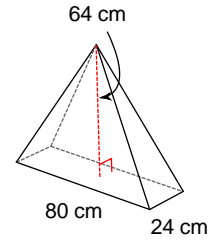
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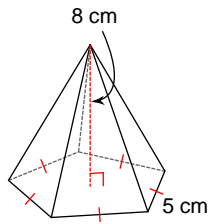
80)



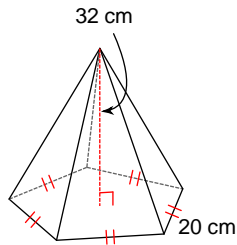
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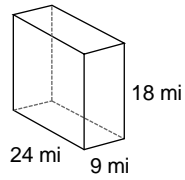
81)



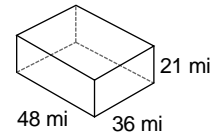
Yes



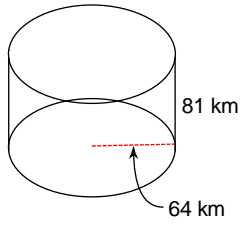
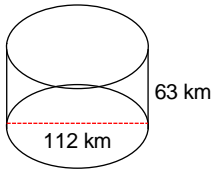
82)



No

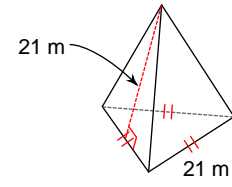
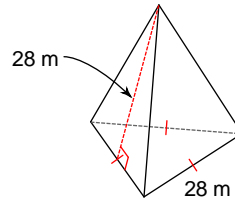


83)



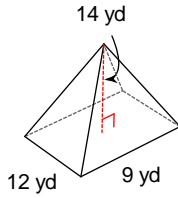
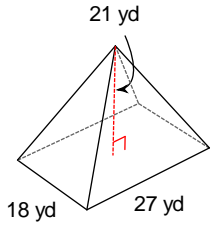
No

84)



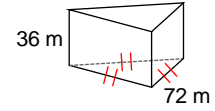
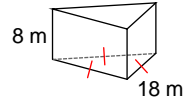
Yes

85)



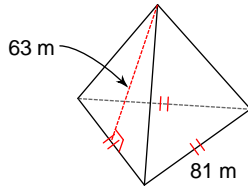
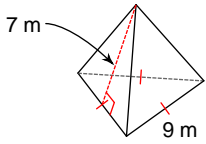
No

86)



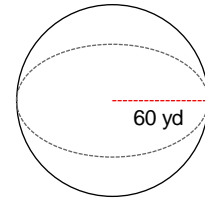
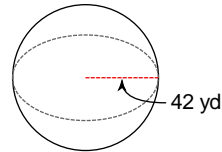
No

87)



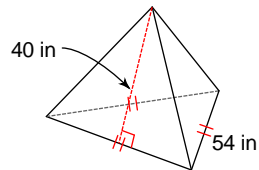
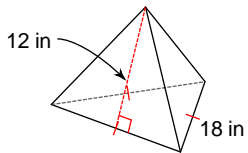
Yes

88)



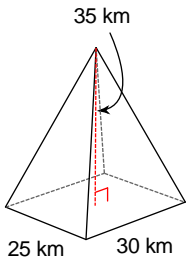
Yes

89)

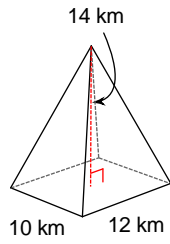


No

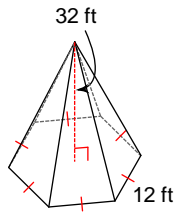
90)



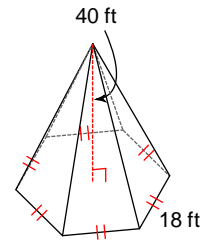
Yes



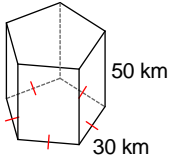
91)



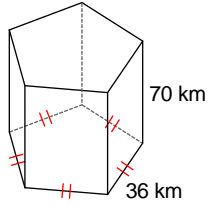
No



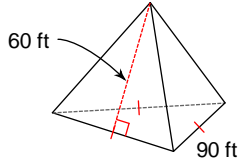
92)



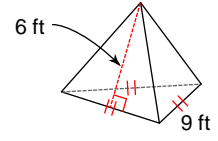
No



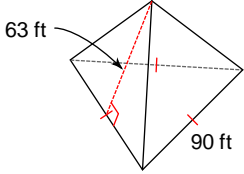
93)



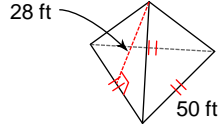
Yes



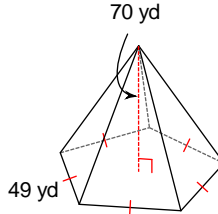
94)



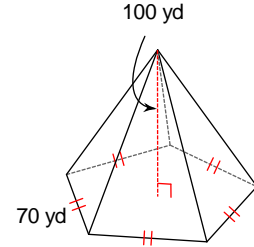
No



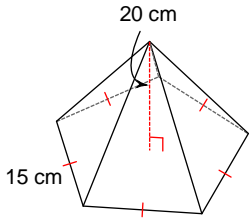
95)



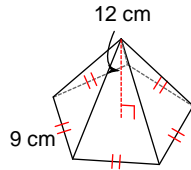
Yes



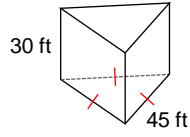
96)



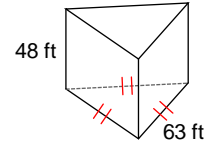
Yes



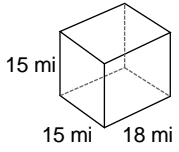
97)



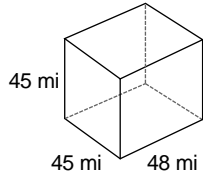
No



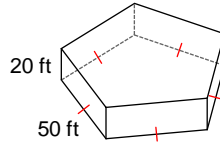
98)



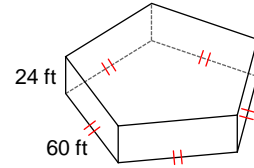
No



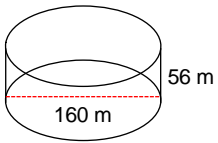
99)



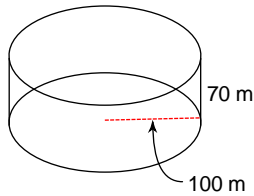
Yes



100)

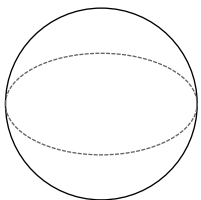


Yes



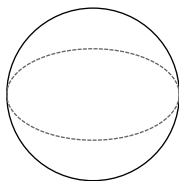
**Find the scale factor if surface area is known.**

101)



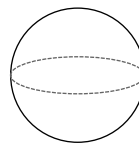
$SA = 720\pi \text{ ft}^2$

6 : 1



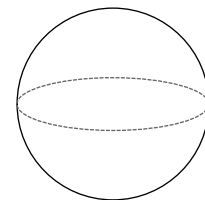
$SA = 20\pi \text{ ft}^2$

102)



$SA = 108\pi \text{ yd}^2$

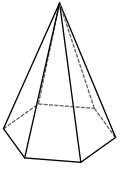
3 : 4



$SA = 192\pi \text{ yd}^2$

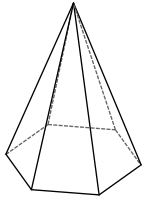


103)



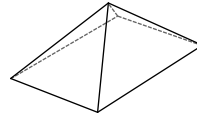
$SA = 171 \text{ cm}^2$

3 : 5



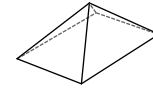
$SA = 475 \text{ cm}^2$

104)



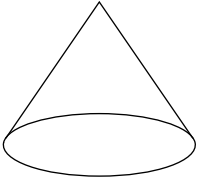
$SA = 882 \text{ km}^2$

7 : 2



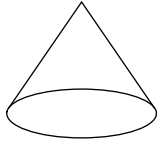
$SA = 72 \text{ km}^2$

105)



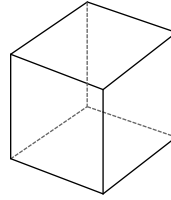
$SA = 960\pi \text{ in}^2$

8 : 1



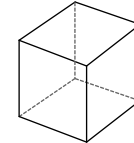
$SA = 15\pi \text{ in}^2$

106)



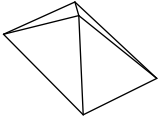
$SA = 1620 \text{ m}^2$

9 : 4



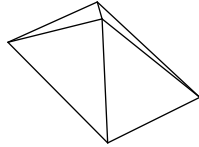
$SA = 320 \text{ m}^2$

107)



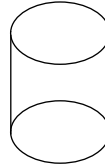
$SA = 252 \text{ km}^2$

3 : 5



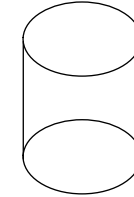
$SA = 700 \text{ km}^2$

108)



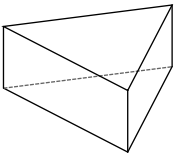
$SA = 81\pi \text{ cm}^2$

3 : 8



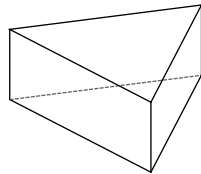
$SA = 576\pi \text{ cm}^2$

109)



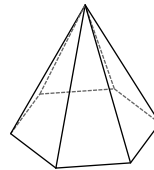
$SA = 19 \text{ ft}^2$

1 : 10



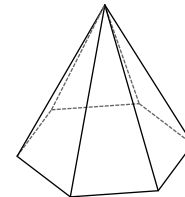
$SA = 1900 \text{ ft}^2$

110)



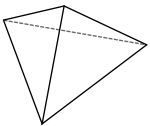
$SA = 12 \text{ cm}^2$

1 : 5



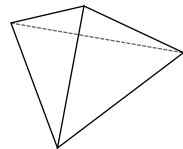
$SA = 300 \text{ cm}^2$

111)



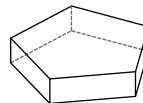
$SA = 882 \text{ yd}^2$

7 : 8



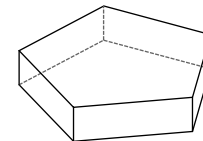
$SA = 1152 \text{ yd}^2$

112)



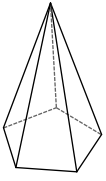
$SA = 288 \text{ km}^2$

3 : 5



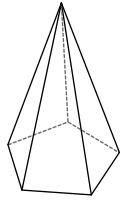
$SA = 800 \text{ km}^2$

113)



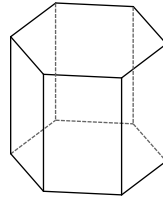
$$SA = 490 \text{ ft}^2$$

7 : 8



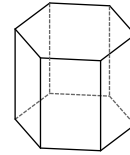
$$SA = 640 \text{ ft}^2$$

114)



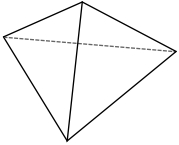
$$SA = 405 \text{ ft}^2$$

9 : 5



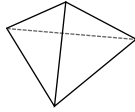
$$SA = 125 \text{ ft}^2$$

115)



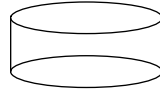
$$SA = 960 \text{ yd}^2$$

4 : 3



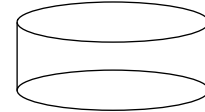
$$SA = 540 \text{ yd}^2$$

116)



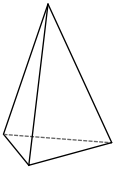
$$SA = 343\pi \text{ ft}^2$$

7 : 8



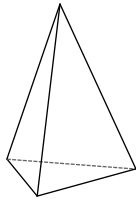
$$SA = 448\pi \text{ ft}^2$$

117)



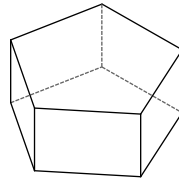
$$SA = 60 \text{ ft}^2$$

2 : 5



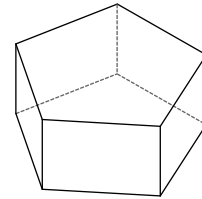
$$SA = 375 \text{ ft}^2$$

118)



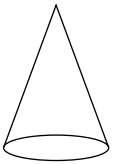
$$SA = 72 \text{ mi}^2$$

1 : 5



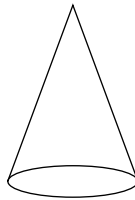
$$SA = 1800 \text{ mi}^2$$

119)



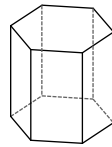
$$SA = 60\pi \text{ mi}^2$$

1 : 4



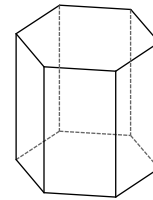
$$SA = 960\pi \text{ mi}^2$$

120)



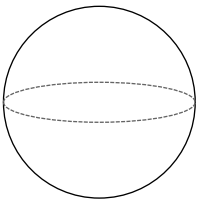
$$SA = 1088 \text{ ft}^2$$

4 : 5



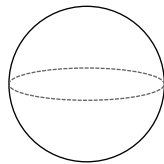
$$SA = 1700 \text{ ft}^2$$

121)



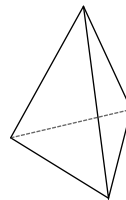
$$SA = 1500\pi \text{ km}^2$$

5 : 1



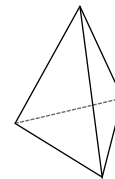
$$SA = 60\pi \text{ km}^2$$

122)



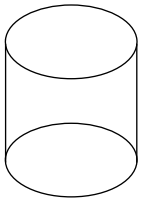
$$SA = 392 \text{ cm}^2$$

7 : 2



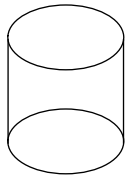
$$SA = 32 \text{ cm}^2$$

123)



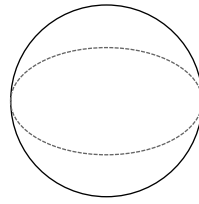
$$SA = 2000\pi \text{ ft}^2$$

5 : 4



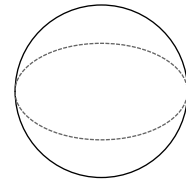
$$SA = 1280\pi \text{ ft}^2$$

124)



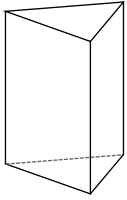
$$SA = 1400\pi \text{ yd}^2$$

5 : 4



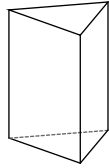
$$SA = 896\pi \text{ yd}^2$$

125)



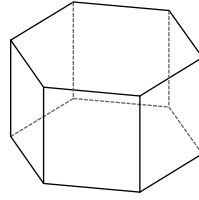
$$SA = 1458 \text{ ft}^2$$

9 : 7



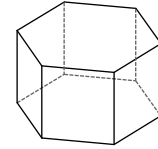
$$SA = 882 \text{ ft}^2$$

126)



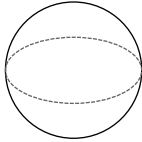
$$SA = 343 \text{ in}^2$$

7 : 3



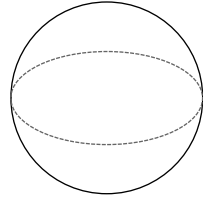
$$SA = 63 \text{ in}^2$$

127)



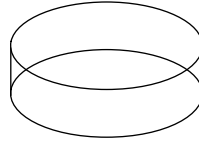
$$SA = 11\pi \text{ mi}^2$$

1 : 5



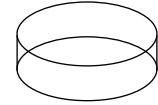
$$SA = 275\pi \text{ mi}^2$$

128)



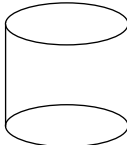
$$SA = 54\pi \text{ m}^2$$

3 : 1



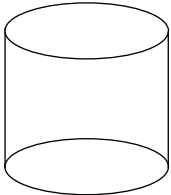
$$SA = 6\pi \text{ m}^2$$

129)



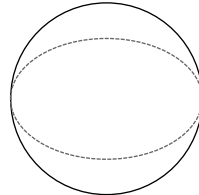
$$SA = 3\pi \text{ km}^2$$

1 : 10



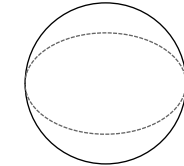
$$SA = 300\pi \text{ km}^2$$

130)



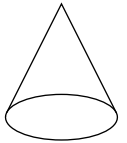
$$SA = 567\pi \text{ km}^2$$

3 : 2



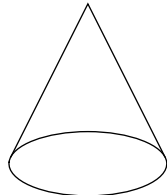
$$SA = 252\pi \text{ km}^2$$

131)



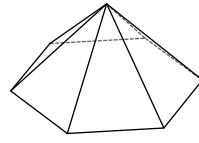
$$SA = 192\pi \text{ mi}^2$$

1 : 2



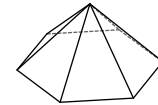
$$SA = 768\pi \text{ mi}^2$$

132)



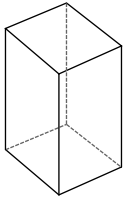
$$SA = 1500 \text{ mi}^2$$

5 : 3



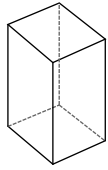
$$SA = 540 \text{ mi}^2$$

133)



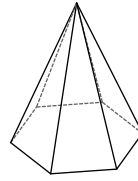
SA = 153 ft<sup>2</sup>

3 : 1



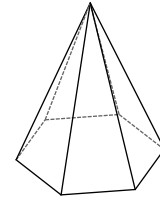
SA = 17 ft<sup>2</sup>

134)



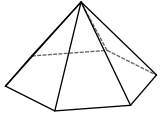
SA = 27 in<sup>2</sup>

3 : 7



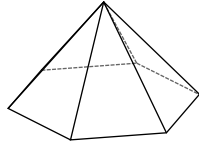
SA = 147 in<sup>2</sup>

135)



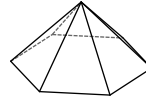
SA = 48 m<sup>2</sup>

2 : 3



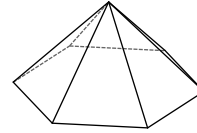
SA = 108 m<sup>2</sup>

136)



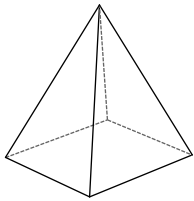
SA = 6 m<sup>2</sup>

1 : 5



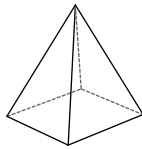
SA = 150 m<sup>2</sup>

137)



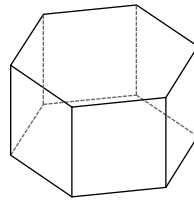
SA = 504 km<sup>2</sup>

6 : 5



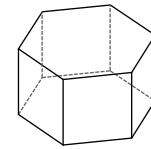
SA = 350 km<sup>2</sup>

138)



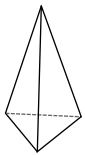
SA = 640 yd<sup>2</sup>

4 : 3



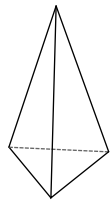
SA = 360 yd<sup>2</sup>

139)



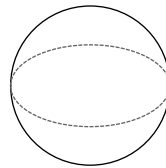
SA = 252 mi<sup>2</sup>

2 : 3



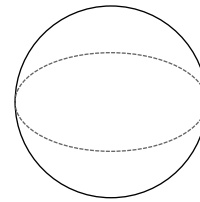
SA = 567 mi<sup>2</sup>

140)



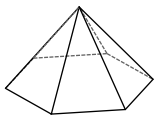
SA = 76π km<sup>2</sup>

2 : 9



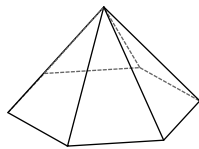
SA = 1539π km<sup>2</sup>

141)



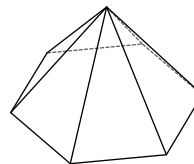
SA = 117 km<sup>2</sup>

3 : 7



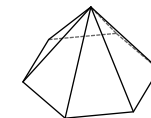
SA = 637 km<sup>2</sup>

142)



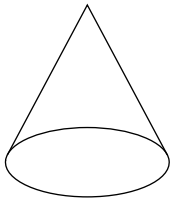
SA = 784 km<sup>2</sup>

7 : 1



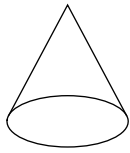
SA = 16 km<sup>2</sup>

143)



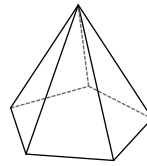
$$SA = 288\pi \text{ cm}^2$$

4 : 3



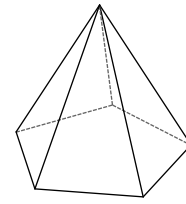
$$SA = 162\pi \text{ cm}^2$$

144)



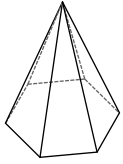
$$SA = 72 \text{ mi}^2$$

1 : 2



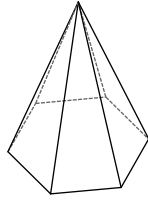
$$SA = 288 \text{ mi}^2$$

145)



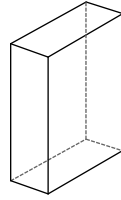
$$SA = 200 \text{ ft}^2$$

5 : 7



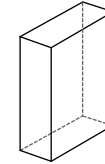
$$SA = 392 \text{ ft}^2$$

146)



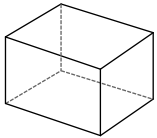
$$SA = 576 \text{ ft}^2$$

8 : 5



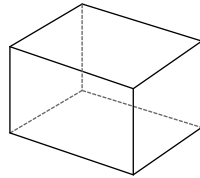
$$SA = 225 \text{ ft}^2$$

147)



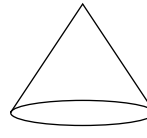
$$SA = 208 \text{ mi}^2$$

2 : 3



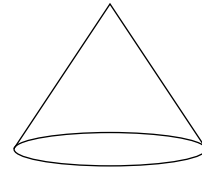
$$SA = 468 \text{ mi}^2$$

148)



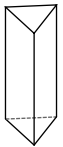
$$SA = 5\pi \text{ in}^2$$

1 : 5



$$SA = 125\pi \text{ in}^2$$

149)



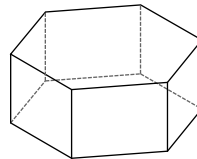
$$SA = 4 \text{ km}^2$$

1 : 4



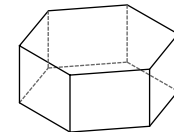
$$SA = 64 \text{ km}^2$$

150)



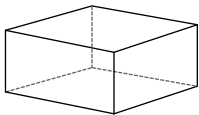
$$SA = 832 \text{ cm}^2$$

8 : 1



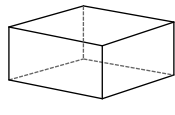
$$SA = 13 \text{ cm}^2$$

151)



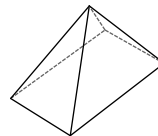
$$SA = 135 \text{ cm}^2$$

3 : 1



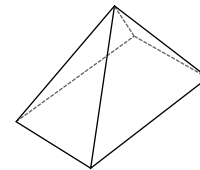
$$SA = 15 \text{ cm}^2$$

152)



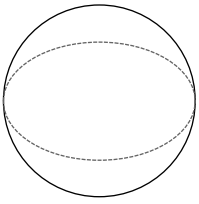
$$SA = 36 \text{ km}^2$$

2 : 3



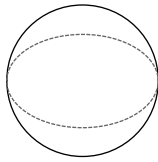
$$SA = 81 \text{ km}^2$$

153)



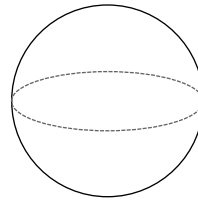
$$SA = 567\pi \text{ m}^2$$

9 : 4



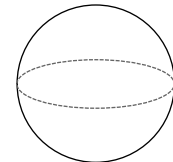
$$SA = 112\pi \text{ m}^2$$

154)



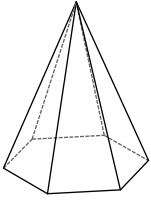
$$SA = 300\pi \text{ km}^2$$

5 : 2



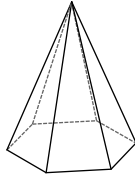
$$SA = 48\pi \text{ km}^2$$

155)



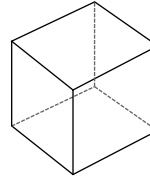
$$SA = 1152 \text{ in}^2$$

4 : 1



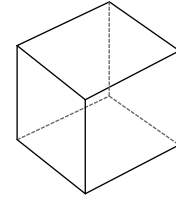
$$SA = 72 \text{ in}^2$$

156)



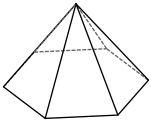
$$SA = 1539 \text{ in}^2$$

9 : 10



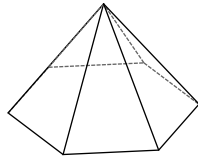
$$SA = 1900 \text{ in}^2$$

157)



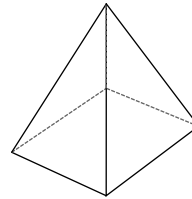
$$SA = 4 \text{ yd}^2$$

2 : 7



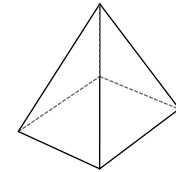
$$SA = 49 \text{ yd}^2$$

158)



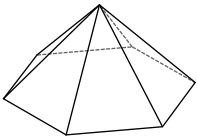
$$SA = 637 \text{ yd}^2$$

7 : 3



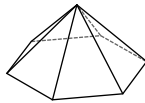
$$SA = 117 \text{ yd}^2$$

159)



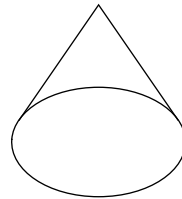
$$SA = 1296 \text{ yd}^2$$

9 : 2



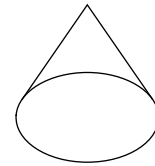
$$SA = 64 \text{ yd}^2$$

160)



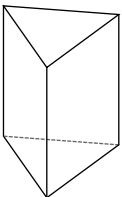
$$SA = 1300\pi \text{ cm}^2$$

10 : 9



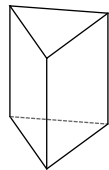
$$SA = 1053\pi \text{ cm}^2$$

161)



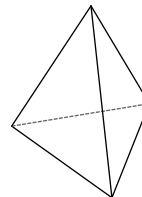
$$SA = 490 \text{ in}^2$$

7 : 4



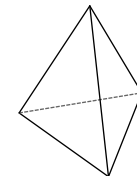
$$SA = 160 \text{ in}^2$$

162)



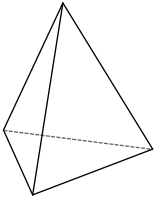
$$SA = 900 \text{ km}^2$$

10 : 1



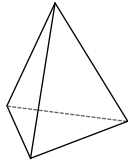
$$SA = 9 \text{ km}^2$$

163)



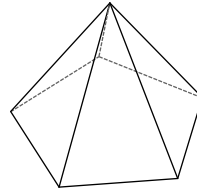
$$SA = 500 \text{ yd}^2$$

5 : 3



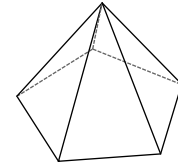
$$SA = 180 \text{ yd}^2$$

164)



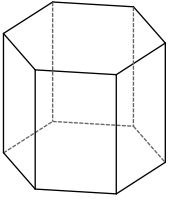
$$SA = 96 \text{ in}^2$$

2 : 1



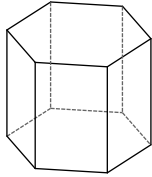
$$SA = 24 \text{ in}^2$$

165)



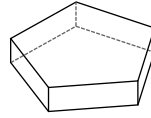
$$SA = 304 \text{ cm}^2$$

2 : 1



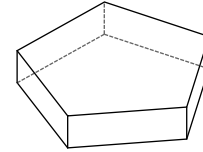
$$SA = 76 \text{ cm}^2$$

166)



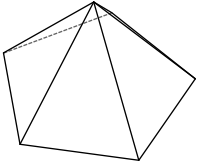
$$SA = 108 \text{ cm}^2$$

2 : 3



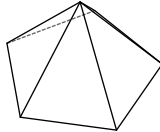
$$SA = 243 \text{ cm}^2$$

167)



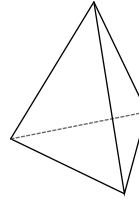
$$SA = 112 \text{ in}^2$$

4 : 3



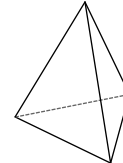
$$SA = 63 \text{ in}^2$$

168)



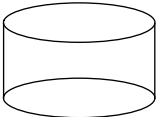
$$SA = 500 \text{ mi}^2$$

5 : 2



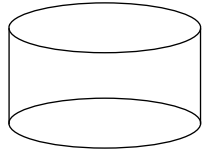
$$SA = 80 \text{ mi}^2$$

169)



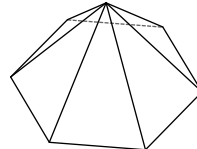
$$SA = 150\pi \text{ m}^2$$

5 : 7



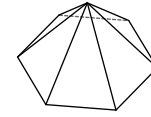
$$SA = 294\pi \text{ m}^2$$

170)



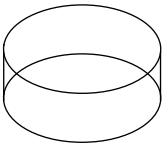
$$SA = 320 \text{ km}^2$$

8 : 7



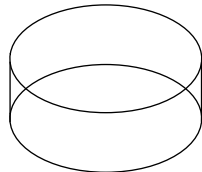
$$SA = 245 \text{ km}^2$$

171)



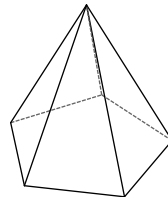
$$SA = 12\pi \text{ m}^2$$

1 : 6



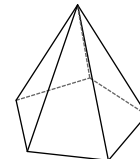
$$SA = 432\pi \text{ m}^2$$

172)



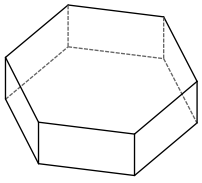
$$SA = 891 \text{ m}^2$$

3 : 2



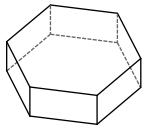
$$SA = 396 \text{ m}^2$$

173)



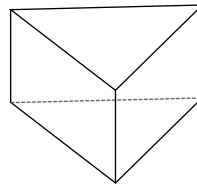
$SA = 432 \text{ mi}^2$

6 : 5



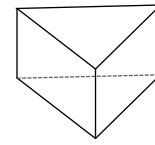
$SA = 300 \text{ mi}^2$

174)



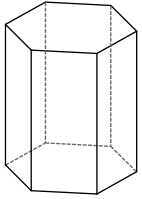
$SA = 972 \text{ ft}^2$

9 : 4



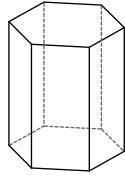
$SA = 192 \text{ ft}^2$

175)



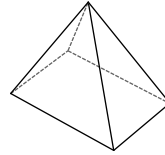
$SA = 448 \text{ yd}^2$

8 : 1



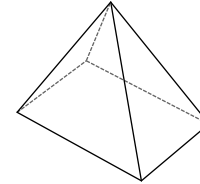
$SA = 7 \text{ yd}^2$

176)



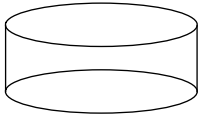
$SA = 108 \text{ cm}^2$

3 : 5



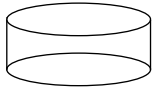
$SA = 300 \text{ cm}^2$

177)



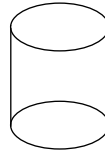
$SA = 128\pi \text{ m}^2$

2 : 1



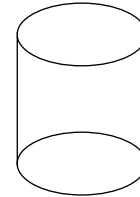
$SA = 32\pi \text{ m}^2$

178)



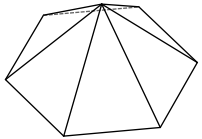
$SA = 9\pi \text{ m}^2$

3 : 8



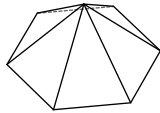
$SA = 64\pi \text{ m}^2$

179)



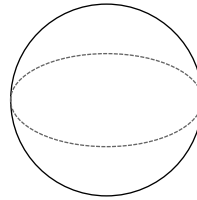
$SA = 1600 \text{ mi}^2$

5 : 2



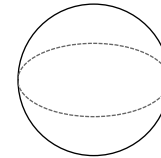
$SA = 256 \text{ mi}^2$

180)



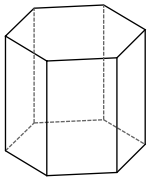
$SA = 320\pi \text{ m}^2$

4 : 1



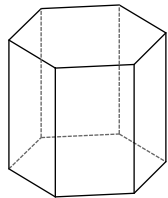
$SA = 20\pi \text{ m}^2$

181)



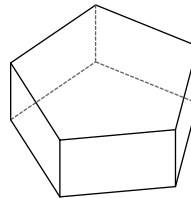
$SA = 81 \text{ in}^2$

9 : 10



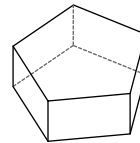
$SA = 100 \text{ in}^2$

182)



$SA = 171 \text{ m}^2$

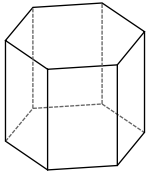
3 : 1



$SA = 19 \text{ m}^2$

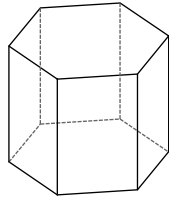


183)



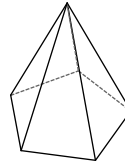
$SA = 50 \text{ km}^2$

5 : 7



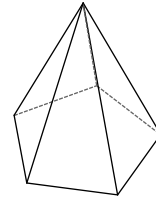
$SA = 98 \text{ km}^2$

184)



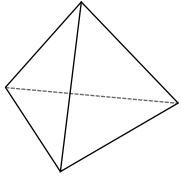
$SA = 468 \text{ yd}^2$

3 : 4



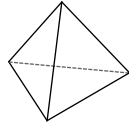
$SA = 832 \text{ yd}^2$

185)



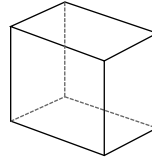
$SA = 504 \text{ yd}^2$

3 : 2



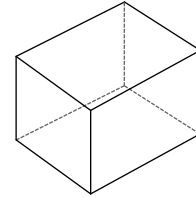
$SA = 224 \text{ yd}^2$

186)



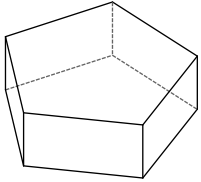
$SA = 196 \text{ in}^2$

7 : 10



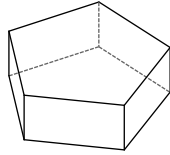
$SA = 400 \text{ in}^2$

187)



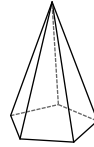
$SA = 1000 \text{ ft}^2$

5 : 3



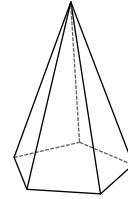
$SA = 360 \text{ ft}^2$

188)



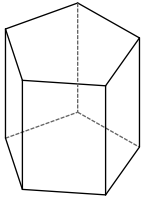
$SA = 100 \text{ yd}^2$

5 : 7



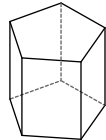
$SA = 196 \text{ yd}^2$

189)



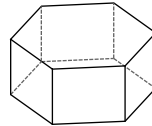
$SA = 576 \text{ ft}^2$

8 : 5



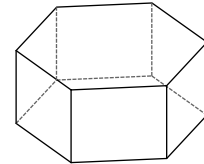
$SA = 225 \text{ ft}^2$

190)



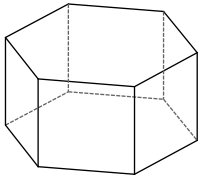
$SA = 14 \text{ mi}^2$

1 : 6



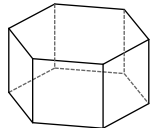
$SA = 504 \text{ mi}^2$

191)



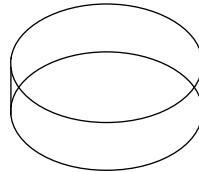
$SA = 800 \text{ cm}^2$

5 : 2



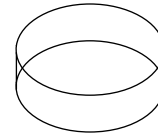
$SA = 128 \text{ cm}^2$

192)



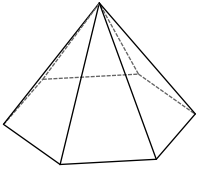
$SA = 300\pi \text{ cm}^2$

5 : 4



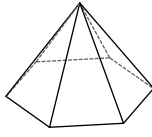
$SA = 192\pi \text{ cm}^2$

193)



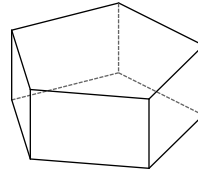
$$SA = 76 \text{ yd}^2$$

2 : 1



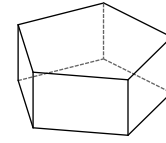
$$SA = 19 \text{ yd}^2$$

194)



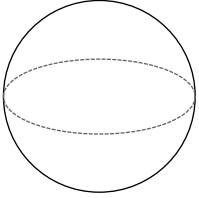
$$SA = 72 \text{ mi}^2$$

2 : 1



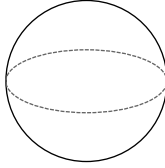
$$SA = 18 \text{ mi}^2$$

195)



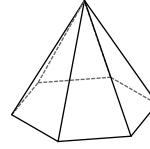
$$SA = 324\pi \text{ yd}^2$$

9 : 5



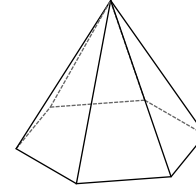
$$SA = 100\pi \text{ yd}^2$$

196)



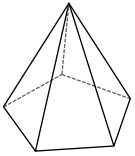
$$SA = 441 \text{ in}^2$$

7 : 9



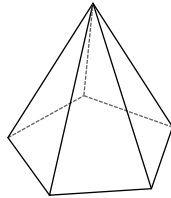
$$SA = 729 \text{ in}^2$$

197)



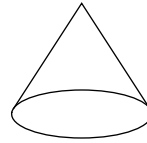
$$SA = 11 \text{ m}^2$$

1 : 4



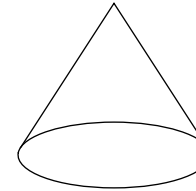
$$SA = 176 \text{ m}^2$$

198)



$$SA = 76\pi \text{ ft}^2$$

1 : 3



$$SA = 684\pi \text{ ft}^2$$

199)



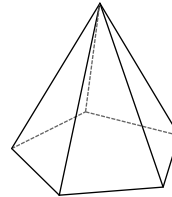
$$SA = 256 \text{ cm}^2$$

1 : 2



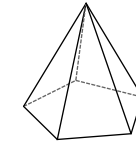
$$SA = 1024 \text{ cm}^2$$

200)



$$SA = 49 \text{ cm}^2$$

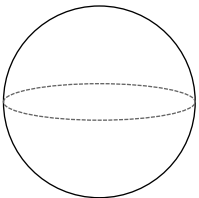
7 : 2



$$SA = 4 \text{ cm}^2$$

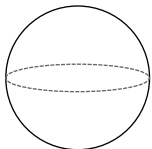
**Find the scale factor if volumen is known.**

201)



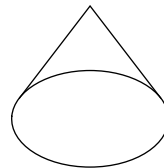
$$V = 1375\pi \text{ ft}^3$$

5 : 2



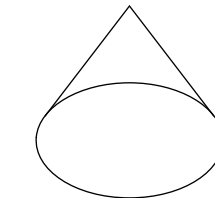
$$V = 88\pi \text{ ft}^3$$

202)



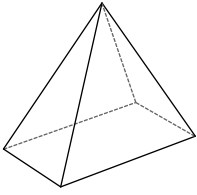
$$V = 208\pi \text{ cm}^3$$

1 : 5



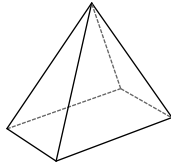
$$V = 26000\pi \text{ cm}^3$$

203)



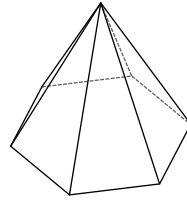
$$V = 6000 \text{ yd}^3$$

5 : 2



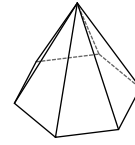
$$V = 384 \text{ yd}^3$$

204)



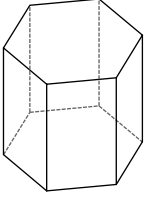
$$V = 3500 \text{ mi}^3$$

5 : 3



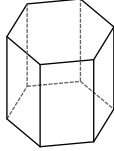
$$V = 756 \text{ mi}^3$$

205)



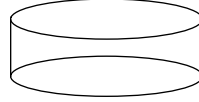
$$V = 28000 \text{ m}^3$$

10 : 7



$$V = 9604 \text{ m}^3$$

206)



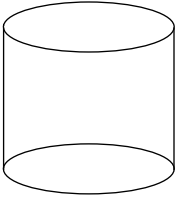
$$V = 6656\pi \text{ mi}^3$$

8 : 7



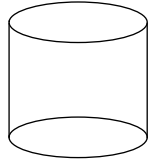
$$V = 4459\pi \text{ mi}^3$$

207)



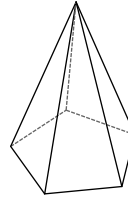
$$V = 3000\pi \text{ yd}^3$$

5 : 2



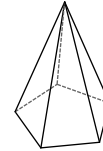
$$V = 192\pi \text{ yd}^3$$

208)



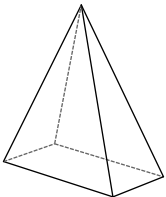
$$V = 6000 \text{ in}^3$$

5 : 2



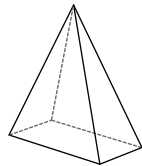
$$V = 384 \text{ in}^3$$

209)



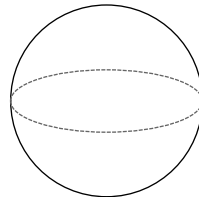
$$V = 6517 \text{ ft}^3$$

7 : 5



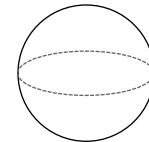
$$V = 2375 \text{ ft}^3$$

210)



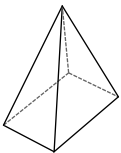
$$V = 9000\pi \text{ mi}^3$$

2 : 1



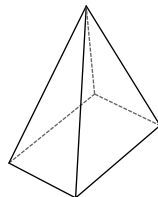
$$V = 1125\pi \text{ mi}^3$$

211)



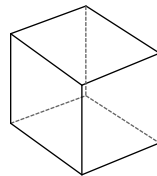
$$V = 21 \text{ km}^3$$

1 : 4



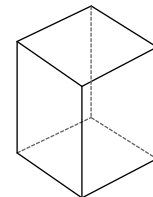
$$V = 1344 \text{ km}^3$$

212)



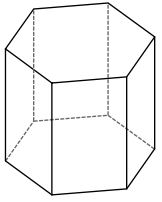
$$V = 2250 \text{ m}^3$$

5 : 9



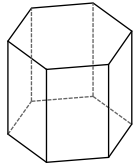
$$V = 13122 \text{ m}^3$$

213)



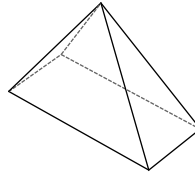
$$V = 9947 \text{ in}^3$$

7 : 3



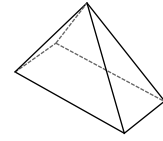
$$V = 783 \text{ in}^3$$

214)



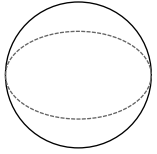
$$V = 3456 \text{ mi}^3$$

3 : 1



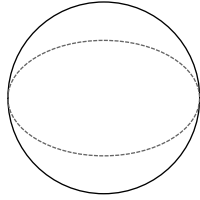
$$V = 128 \text{ mi}^3$$

215)



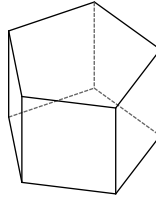
$$V = 22\pi \text{ in}^3$$

1 : 10



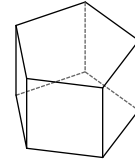
$$V = 22000\pi \text{ in}^3$$

216)



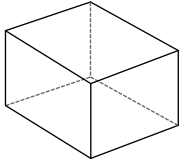
$$V = 704 \text{ ft}^3$$

4 : 1



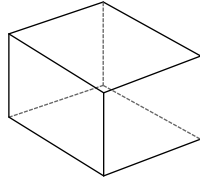
$$V = 11 \text{ ft}^3$$

217)



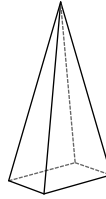
$$V = 621 \text{ ft}^3$$

1 : 2



$$V = 4968 \text{ ft}^3$$

218)



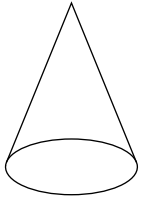
$$V = 3645 \text{ in}^3$$

3 : 2



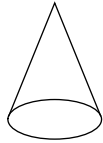
$$V = 1080 \text{ in}^3$$

219)



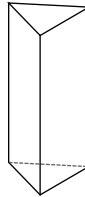
$$V = 12288\pi \text{ km}^3$$

2 : 1



$$V = 1536\pi \text{ km}^3$$

220)



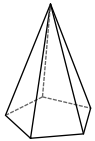
$$V = 1500 \text{ km}^3$$

5 : 4



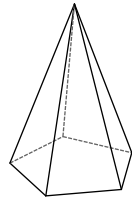
$$V = 768 \text{ km}^3$$

221)



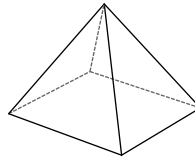
$$V = 1408 \text{ cm}^3$$

4 : 5



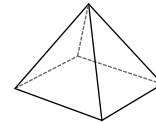
$$V = 2750 \text{ cm}^3$$

222)



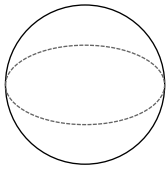
$$V = 1920 \text{ ft}^3$$

4 : 3

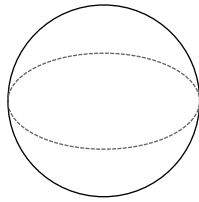


$$V = 810 \text{ ft}^3$$

223)



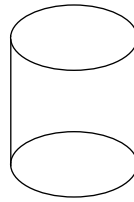
$V = 486\pi \text{ in}^3$



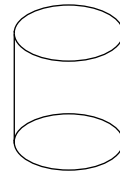
$V = 6174\pi \text{ in}^3$

3 : 7

224)



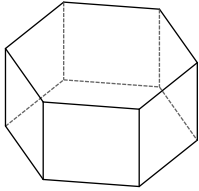
$V = 15360\pi \text{ km}^3$



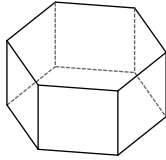
$V = 3750\pi \text{ km}^3$

8 : 5

225)



$V = 5184 \text{ km}^3$



$V = 1536 \text{ km}^3$

3 : 2

226)



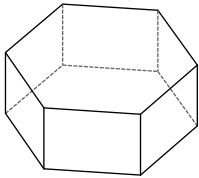
$V = 22 \text{ yd}^3$



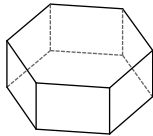
$V = 16038 \text{ yd}^3$

1 : 9

227)



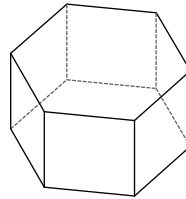
$V = 5000 \text{ km}^3$



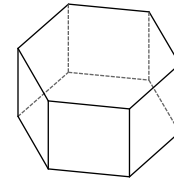
$V = 40 \text{ km}^3$

5 : 1

228)



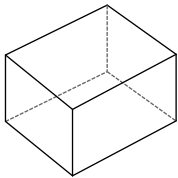
$V = 26000 \text{ m}^3$



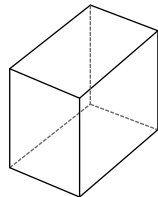
$V = 18954 \text{ m}^3$

10 : 9

229)



$V = 21 \text{ km}^3$



$V = 2625 \text{ km}^3$

1 : 5

230)



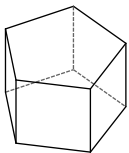
$V = 16038 \text{ yd}^3$



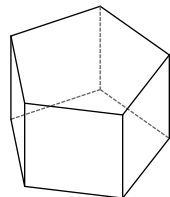
$V = 11264 \text{ yd}^3$

9 : 8

231)



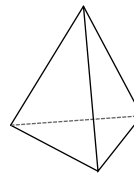
$V = 12 \text{ km}^3$



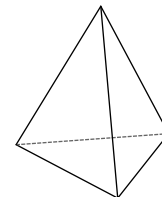
$V = 96 \text{ km}^3$

1 : 2

232)



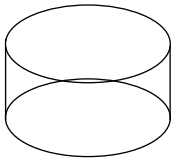
$V = 192 \text{ ft}^3$



$V = 24000 \text{ ft}^3$

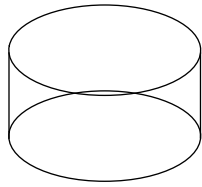
1 : 5

233)



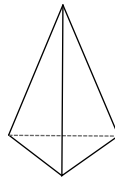
$$V = 72\pi \text{ mi}^3$$

1 : 4



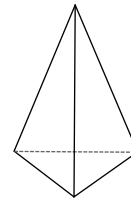
$$V = 4608\pi \text{ mi}^3$$

234)



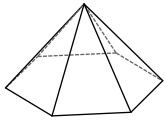
$$V = 17 \text{ yd}^3$$

1 : 10



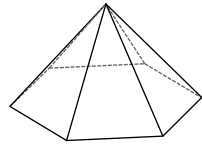
$$V = 17000 \text{ yd}^3$$

235)



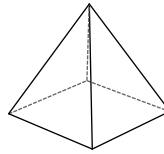
$$V = 1792 \text{ mi}^3$$

4 : 7



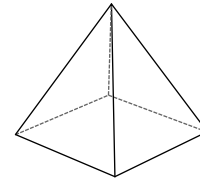
$$V = 9604 \text{ mi}^3$$

236)



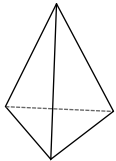
$$V = 24 \text{ ft}^3$$

1 : 6



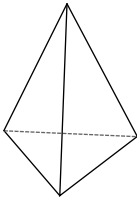
$$V = 5184 \text{ ft}^3$$

237)



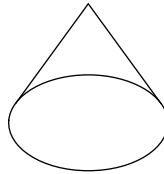
$$V = 8918 \text{ m}^3$$

7 : 10



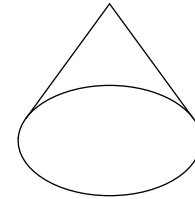
$$V = 26000 \text{ m}^3$$

238)



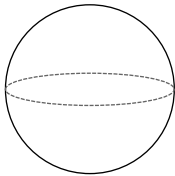
$$V = 704\pi \text{ km}^3$$

2 : 3



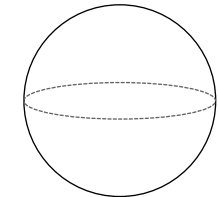
$$V = 2376\pi \text{ km}^3$$

239)



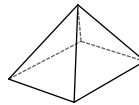
$$V = 1792\pi \text{ in}^3$$

2 : 5



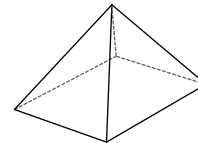
$$V = 28000\pi \text{ in}^3$$

240)



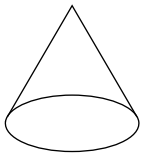
$$V = 23 \text{ m}^3$$

1 : 7



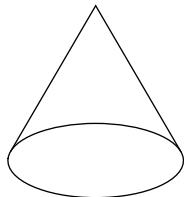
$$V = 7889 \text{ m}^3$$

241)



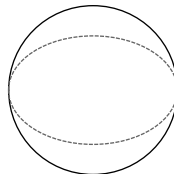
$$V = 26\pi \text{ mi}^3$$

1 : 10



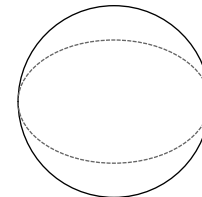
$$V = 26000\pi \text{ mi}^3$$

242)



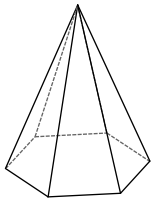
$$V = 2808\pi \text{ mi}^3$$

2 : 3



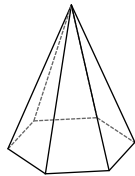
$$V = 9477\pi \text{ mi}^3$$

243)



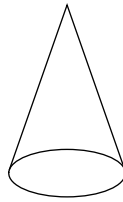
$$V = 4968 \text{ mi}^3$$

6 : 1



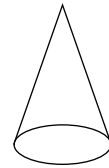
$$V = 23 \text{ mi}^3$$

244)



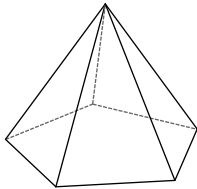
$$V = 4608\pi \text{ cm}^3$$

8 : 5



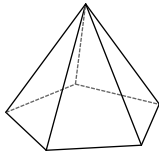
$$V = 1125\pi \text{ cm}^3$$

245)



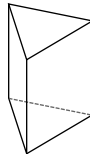
$$V = 2401 \text{ in}^3$$

7 : 1



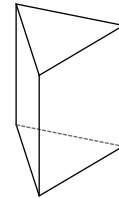
$$V = 7 \text{ in}^3$$

246)



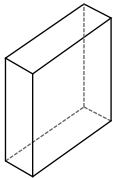
$$V = 224 \text{ km}^3$$

2 : 9



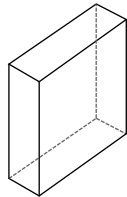
$$V = 20412 \text{ km}^3$$

247)



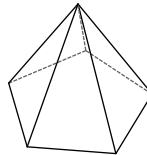
$$V = 19 \text{ cm}^3$$

1 : 8



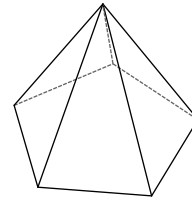
$$V = 9728 \text{ cm}^3$$

248)



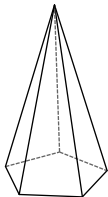
$$V = 351 \text{ cm}^3$$

3 : 4



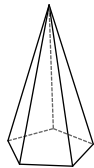
$$V = 832 \text{ cm}^3$$

249)



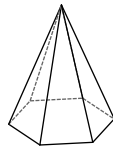
$$V = 2401 \text{ in}^3$$

7 : 2



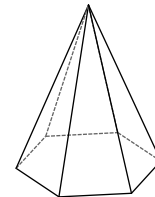
$$V = 56 \text{ in}^3$$

250)



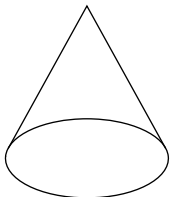
$$V = 1536 \text{ m}^3$$

4 : 5



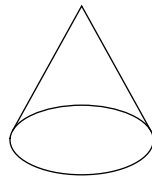
$$V = 3000 \text{ m}^3$$

251)



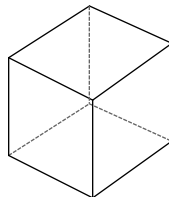
$$V = 6517\pi \text{ cm}^3$$

7 : 6



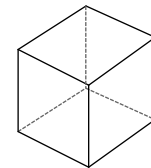
$$V = 4104\pi \text{ cm}^3$$

252)



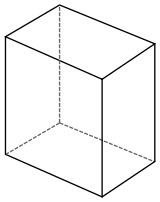
$$V = 7000 \text{ cm}^3$$

10 : 1



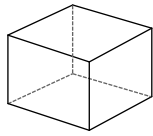
$$V = 7 \text{ cm}^3$$

253)



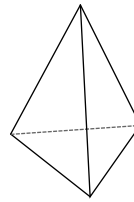
$$V = 3773 \text{ in}^3$$

7 : 1



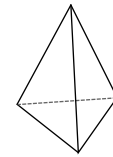
$$V = 11 \text{ in}^3$$

254)



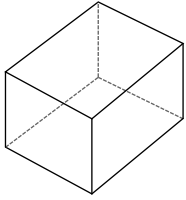
$$V = 21141 \text{ km}^3$$

9 : 1



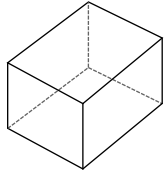
$$V = 29 \text{ km}^3$$

255)



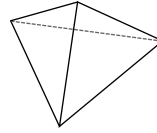
$$V = 6860 \text{ cm}^3$$

7 : 4



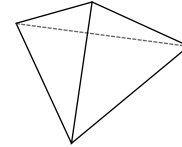
$$V = 1280 \text{ cm}^3$$

256)



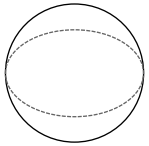
$$V = 6174 \text{ ft}^3$$

7 : 10



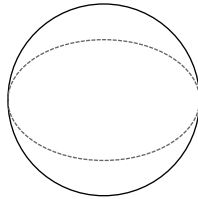
$$V = 18000 \text{ ft}^3$$

257)



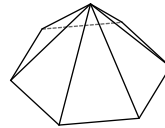
$$V = 14\pi \text{ in}^3$$

1 : 4



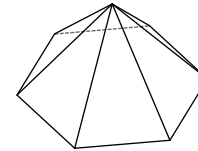
$$V = 896\pi \text{ in}^3$$

258)



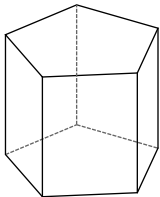
$$V = 136 \text{ cm}^3$$

2 : 3



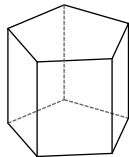
$$V = 459 \text{ cm}^3$$

259)



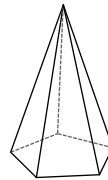
$$V = 18954 \text{ in}^3$$

9 : 1



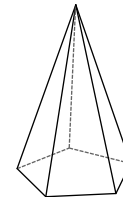
$$V = 26 \text{ in}^3$$

260)



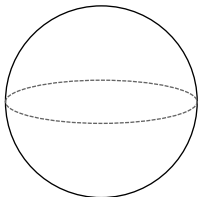
$$V = 13 \text{ cm}^3$$

1 : 7



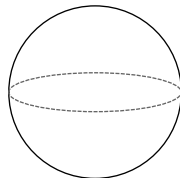
$$V = 4459 \text{ cm}^3$$

261)



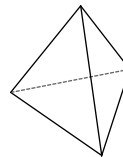
$$V = 9947\pi \text{ yd}^3$$

7 : 2



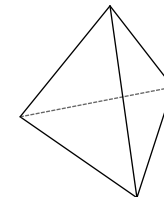
$$V = 232\pi \text{ yd}^3$$

262)



$$V = 4320 \text{ km}^3$$

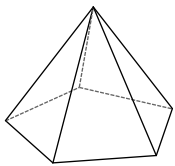
3 : 5



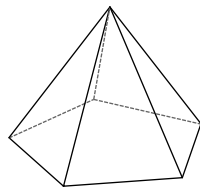
$$V = 20000 \text{ km}^3$$



263)



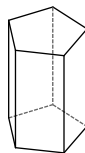
$$V = 104 \text{ mi}^3$$



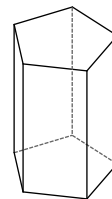
$$V = 832 \text{ mi}^3$$

1 : 2

264)



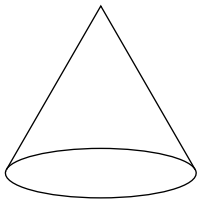
$$V = 594 \text{ mi}^3$$



$$V = 11264 \text{ mi}^3$$

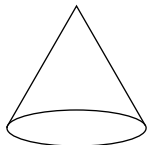
3 : 8

265)



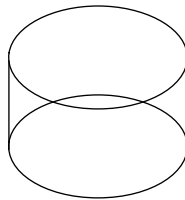
$$V = 21000\pi \text{ m}^3$$

10 : 9



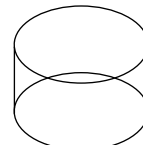
$$V = 15309\pi \text{ m}^3$$

266)



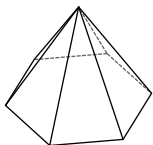
$$V = 12288\pi \text{ cm}^3$$

8 : 5



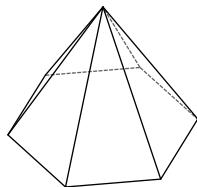
$$V = 3000\pi \text{ cm}^3$$

267)



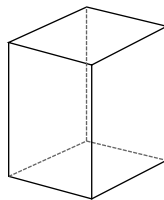
$$V = 384 \text{ cm}^3$$

2 : 5



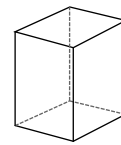
$$V = 6000 \text{ cm}^3$$

268)



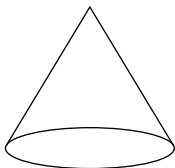
$$V = 1512 \text{ cm}^3$$

3 : 2



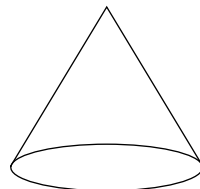
$$V = 448 \text{ cm}^3$$

269)



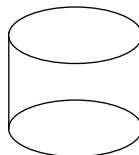
$$V = 224\pi \text{ in}^3$$

2 : 7



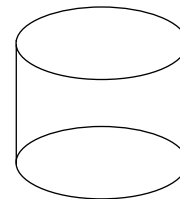
$$V = 9604\pi \text{ in}^3$$

270)



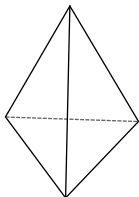
$$V = 810\pi \text{ km}^3$$

3 : 7



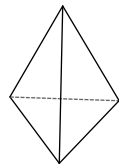
$$V = 10290\pi \text{ km}^3$$

271)



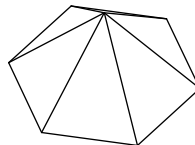
$$V = 7203 \text{ yd}^3$$

7 : 6



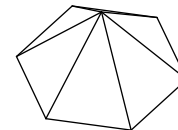
$$V = 4536 \text{ yd}^3$$

272)



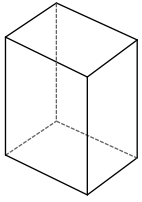
$$V = 6517 \text{ km}^3$$

7 : 2



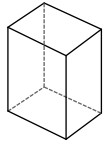
$$V = 152 \text{ km}^3$$

273)



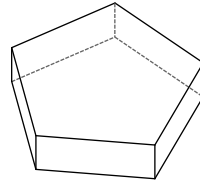
$$V = 152 \text{ cm}^3$$

2 : 1



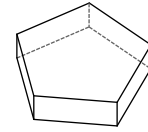
$$V = 19 \text{ cm}^3$$

274)



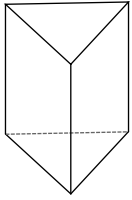
$$V = 19683 \text{ cm}^3$$

9 : 4



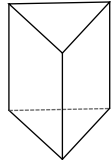
$$V = 1728 \text{ cm}^3$$

275)



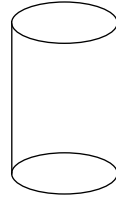
$$V = 243 \text{ m}^3$$

3 : 1



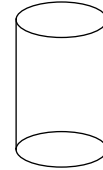
$$V = 9 \text{ m}^3$$

276)



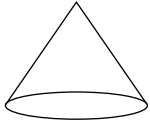
$$V = 7290\pi \text{ mi}^3$$

3 : 1



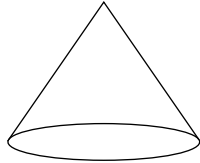
$$V = 270\pi \text{ mi}^3$$

277)



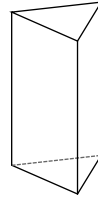
$$V = 6\pi \text{ km}^3$$

1 : 10



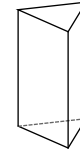
$$V = 6000\pi \text{ km}^3$$

278)



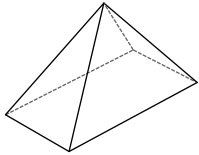
$$V = 2592 \text{ cm}^3$$

6 : 5



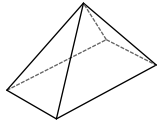
$$V = 1500 \text{ cm}^3$$

279)



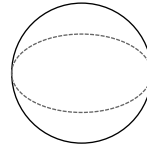
$$V = 18000 \text{ cm}^3$$

2 : 1



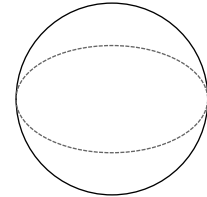
$$V = 2250 \text{ cm}^3$$

280)



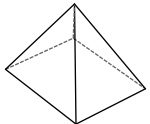
$$V = 7168\pi \text{ cm}^3$$

8 : 9



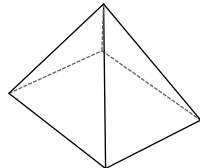
$$V = 10206\pi \text{ cm}^3$$

281)



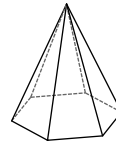
$$V = 625 \text{ m}^3$$

1 : 2



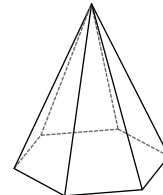
$$V = 5000 \text{ m}^3$$

282)



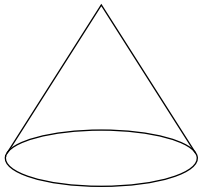
$$V = 768 \text{ m}^3$$

4 : 5



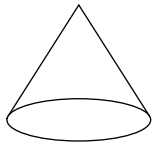
$$V = 1500 \text{ m}^3$$

283)



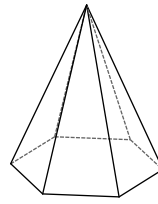
$$V = 1280\pi \text{ yd}^3$$

2 : 1



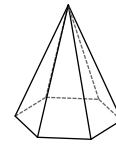
$$V = 160\pi \text{ yd}^3$$

284)



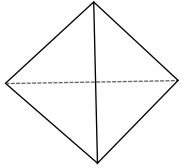
$$V = 15309 \text{ in}^3$$

9 : 4



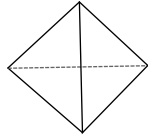
$$V = 1344 \text{ in}^3$$

285)



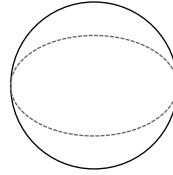
$$V = 14000 \text{ in}^3$$

5 : 1



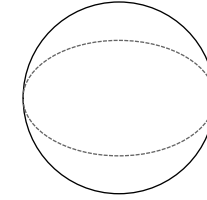
$$V = 112 \text{ in}^3$$

286)



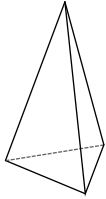
$$V = 5832\pi \text{ m}^3$$

6 : 7



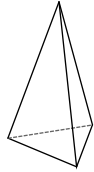
$$V = 9261\pi \text{ m}^3$$

287)



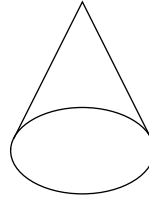
$$V = 9000 \text{ cm}^3$$

10 : 3



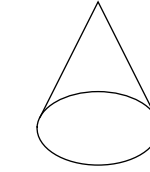
$$V = 243 \text{ cm}^3$$

288)



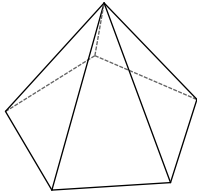
$$V = 8000\pi \text{ cm}^3$$

10 : 9



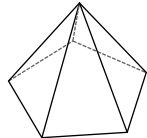
$$V = 5832\pi \text{ cm}^3$$

289)



$$V = 18954 \text{ mi}^3$$

9 : 2



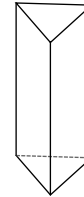
$$V = 208 \text{ mi}^3$$

290)



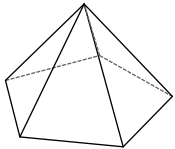
$$V = 15 \text{ in}^3$$

1 : 4



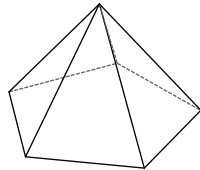
$$V = 960 \text{ in}^3$$

291)



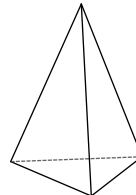
$$V = 324 \text{ in}^3$$

3 : 10



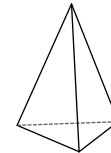
$$V = 12000 \text{ in}^3$$

292)

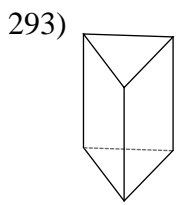


$$V = 8232 \text{ km}^3$$

7 : 3

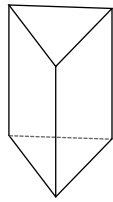


$$V = 648 \text{ km}^3$$

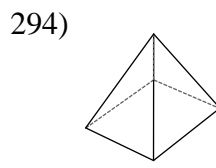


$V = 21 \text{ mi}^3$

1 : 8

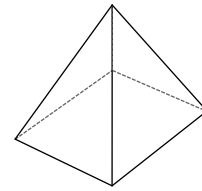


$V = 10752 \text{ mi}^3$

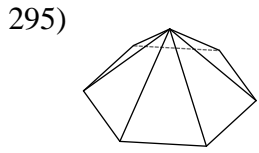


$V = 3000 \text{ mi}^3$

1 : 2

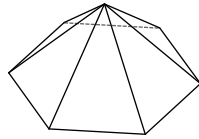


$V = 24000 \text{ mi}^3$

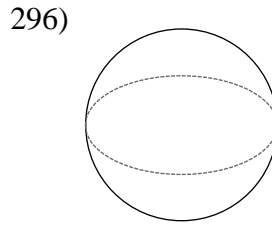


$V = 1750 \text{ mi}^3$

5 : 6

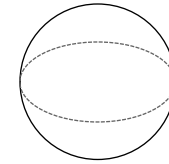


$V = 3024 \text{ mi}^3$

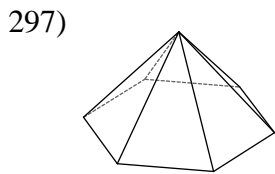


$V = 8918\pi \text{ in}^3$

7 : 4

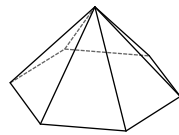


$V = 1664\pi \text{ in}^3$

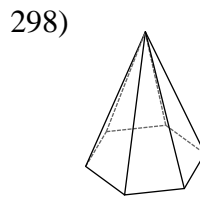


$V = 23000 \text{ mi}^3$

2 : 1

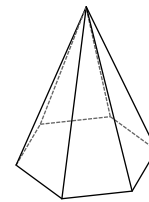


$V = 2875 \text{ mi}^3$

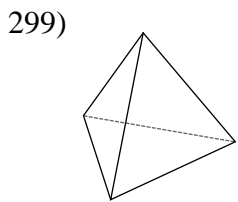


$V = 1536 \text{ m}^3$

4 : 5

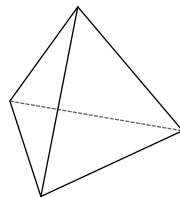


$V = 3000 \text{ m}^3$

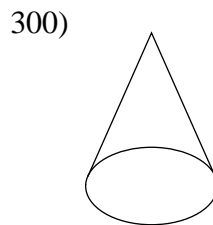


$V = 240 \text{ mi}^3$

1 : 2



$V = 1920 \text{ mi}^3$



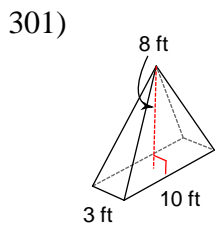
$V = 7680\pi \text{ cm}^3$

8 : 3



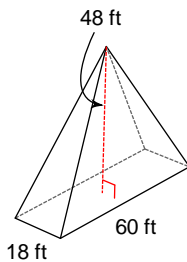
$V = 405\pi \text{ cm}^3$

**Find the scale factor, surface areas ratio and ratio of volumens.**

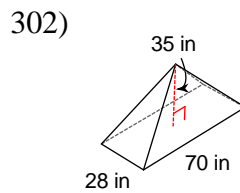


$V = 240 \text{ mi}^3$

1 : 6, 1 : 36, 1 : 216

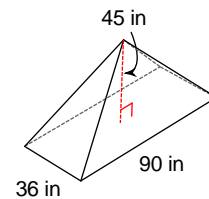


$V = 1920 \text{ mi}^3$



$V = 1536 \text{ m}^3$

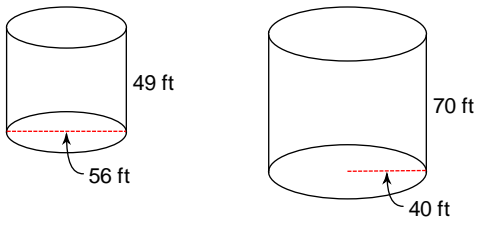
4 : 5



$V = 3000 \text{ m}^3$

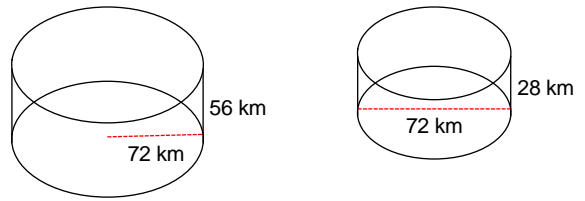
7 : 9, 49 : 81, 343 : 729

303)



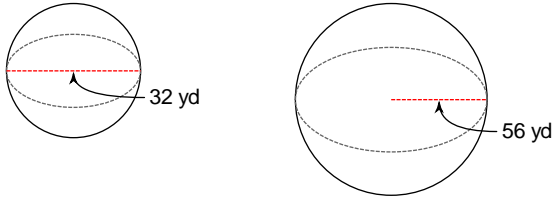
7 : 10, 49 : 100, 343 : 1000

304)



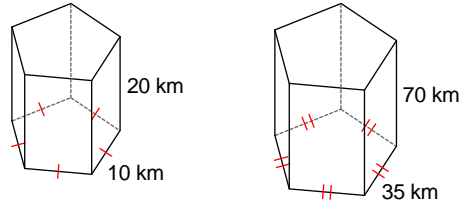
2 : 1, 4 : 1, 8 : 1

305)



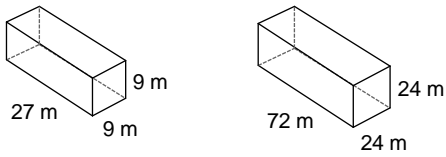
2 : 7, 4 : 49, 8 : 343

306)



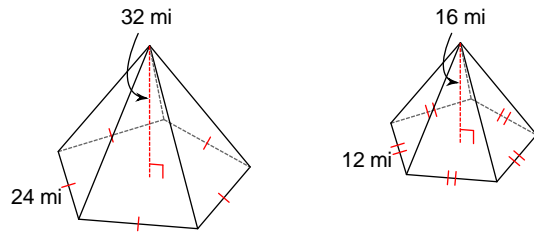
2 : 7, 4 : 49, 8 : 343

307)



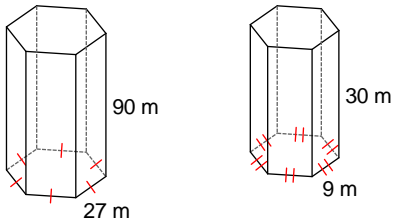
3 : 8, 9 : 64, 27 : 512

308)



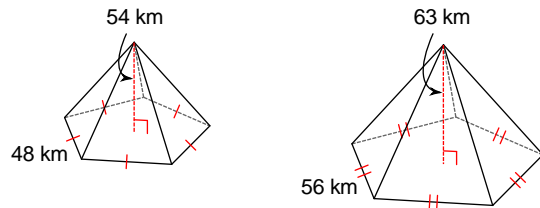
2 : 1, 4 : 1, 8 : 1

309)



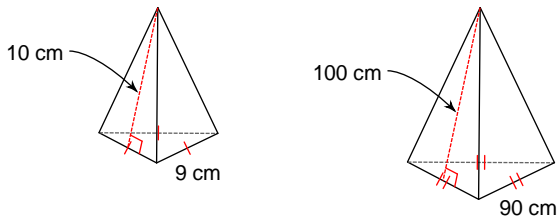
3 : 1, 9 : 1, 27 : 1

310)



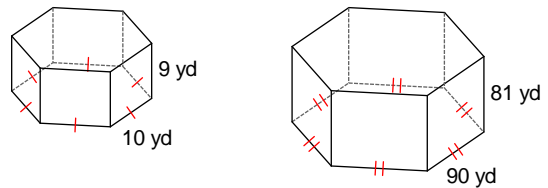
6 : 7, 36 : 49, 216 : 343

311)



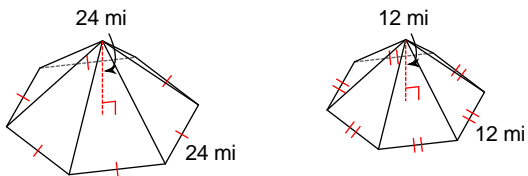
1 : 10, 1 : 100, 1 : 1000

312)



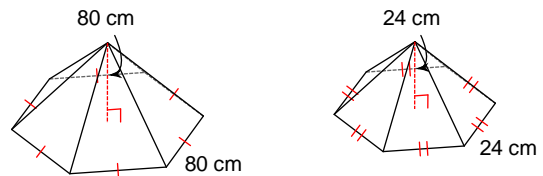
1 : 9, 1 : 81, 1 : 729

313)



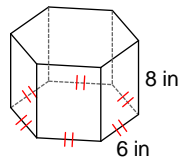
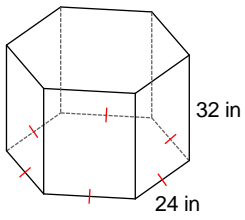
2 : 1, 4 : 1, 8 : 1

314)



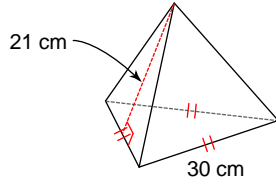
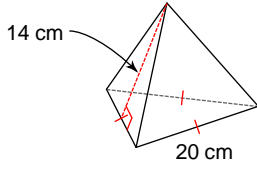
10 : 3, 100 : 9, 1000 : 27

315)



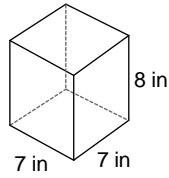
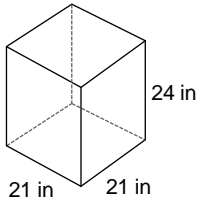
4 : 1, 16 : 1, 64 : 1

316)



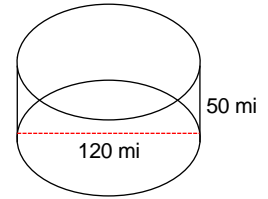
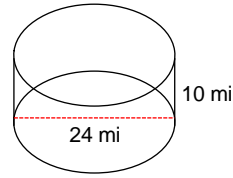
2 : 3, 4 : 9, 8 : 27

317)



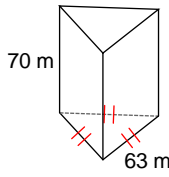
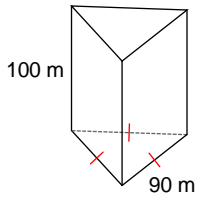
3 : 1, 9 : 1, 27 : 1

318)



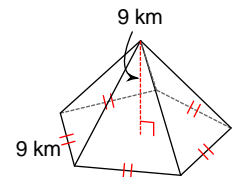
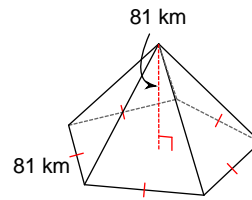
1 : 5, 1 : 25, 1 : 125

319)



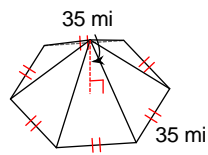
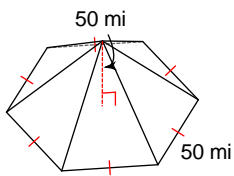
10 : 7, 100 : 49, 1000 : 343

320)



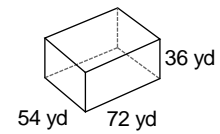
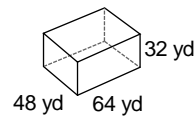
9 : 1, 81 : 1, 729 : 1

321)



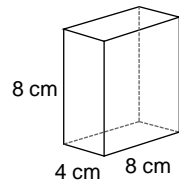
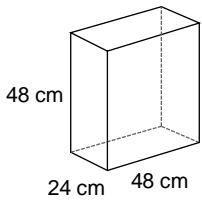
10 : 7, 100 : 49, 1000 : 343

322)



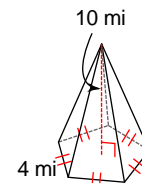
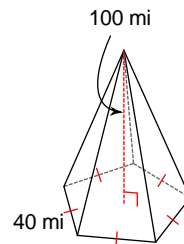
8 : 9, 64 : 81, 512 : 729

323)



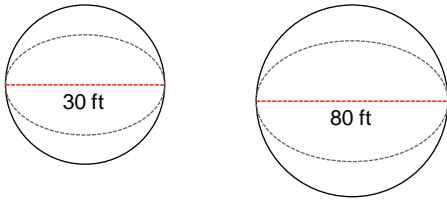
6 : 1, 36 : 1, 216 : 1

324)



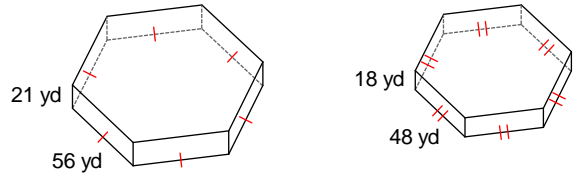
10 : 1, 100 : 1, 1000 : 1

325)



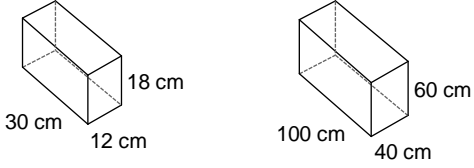
3 : 8, 9 : 64, 27 : 512

326)



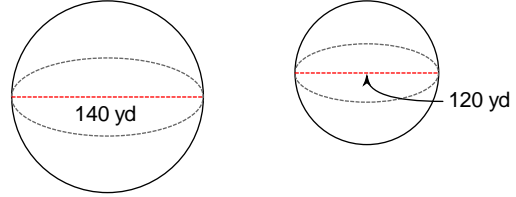
7 : 6, 49 : 36, 343 : 216

327)



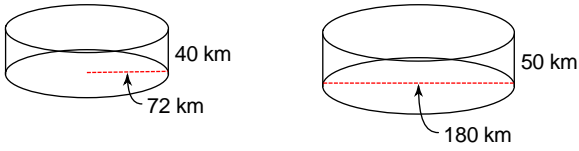
3 : 10, 9 : 100, 27 : 1000

328)



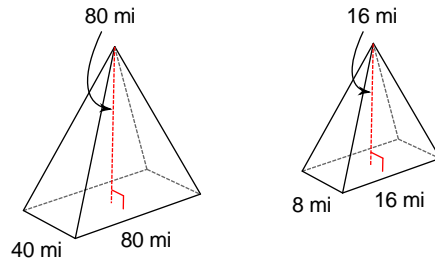
7 : 6, 49 : 36, 343 : 216

329)



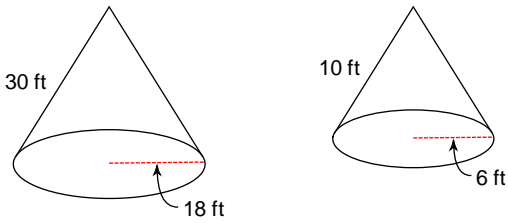
4 : 5, 16 : 25, 64 : 125

330)



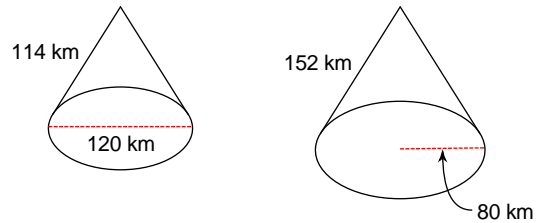
5 : 1, 25 : 1, 125 : 1

331)



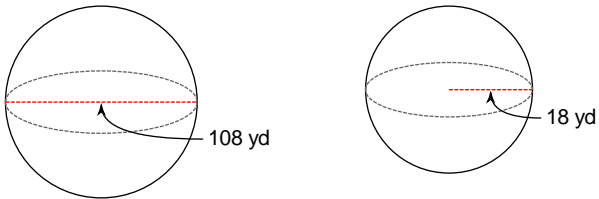
3 : 1, 9 : 1, 27 : 1

332)



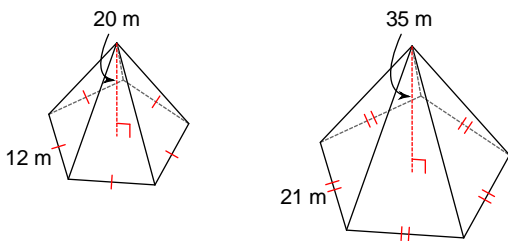
3 : 4, 9 : 16, 27 : 64

333)



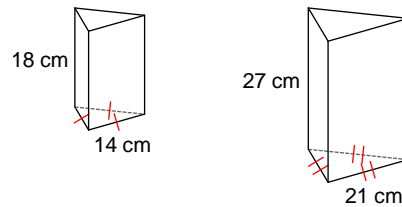
3 : 1, 9 : 1, 27 : 1

334)



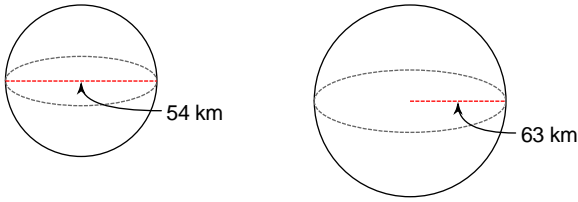
4 : 7, 16 : 49, 64 : 343

335)



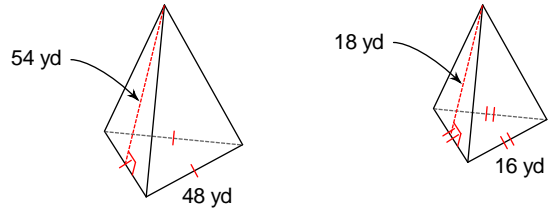
2 : 3, 4 : 9, 8 : 27

336)



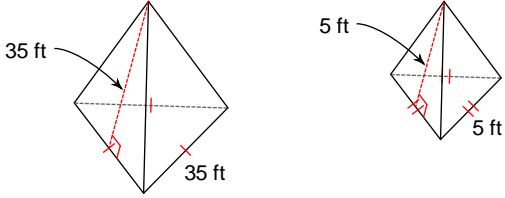
3 : 7, 9 : 49, 27 : 343

337)



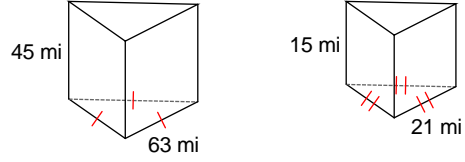
3 : 1, 9 : 1, 27 : 1

338)



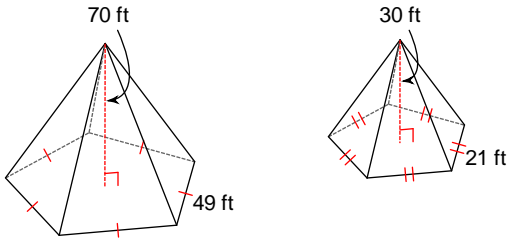
7 : 1, 49 : 1, 343 : 1

339)



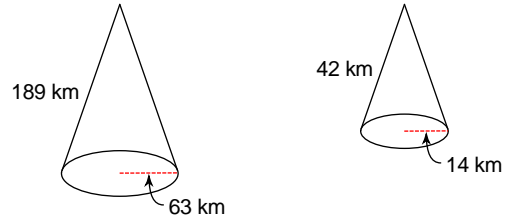
3 : 1, 9 : 1, 27 : 1

340)



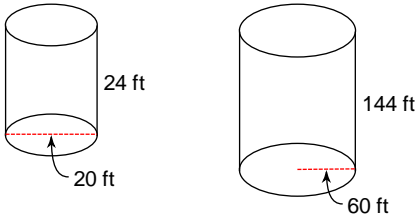
7 : 3, 49 : 9, 343 : 27

341)



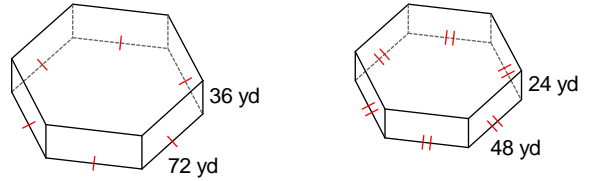
9 : 2, 81 : 4, 729 : 8

342)



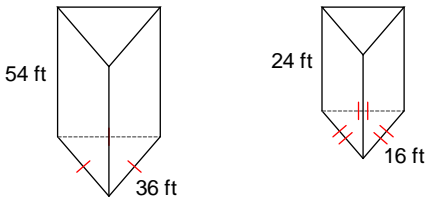
1 : 6, 1 : 36, 1 : 216

343)



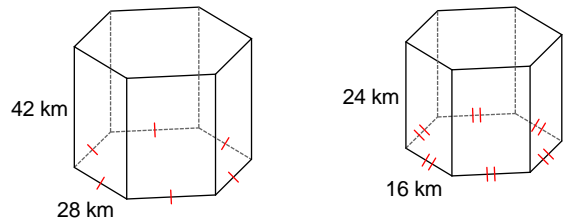
3 : 2, 9 : 4, 27 : 8

344)



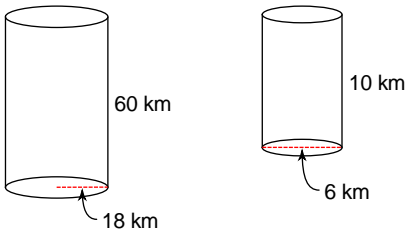
9 : 4, 81 : 16, 729 : 64

345)



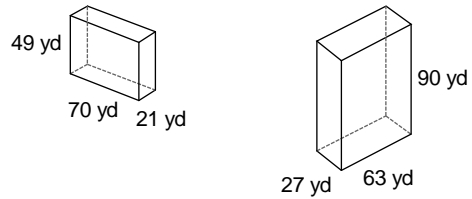
7 : 4, 49 : 16, 343 : 64

346)



6 : 1, 36 : 1, 216 : 1

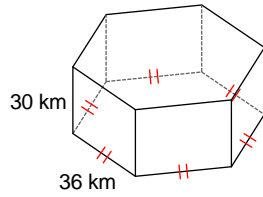
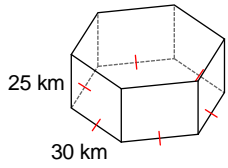
347)



7 : 9, 49 : 81, 343 : 729

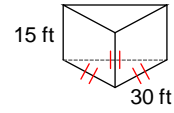
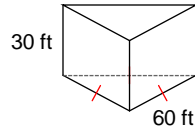


348)



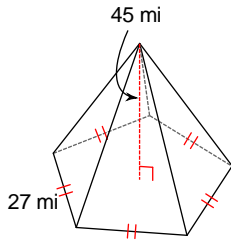
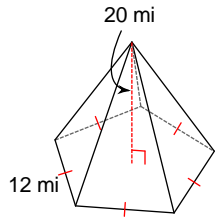
5 : 6, 25 : 36, 125 : 216

349)



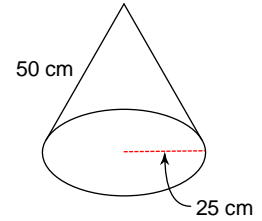
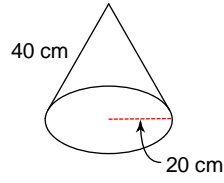
2 : 1, 4 : 1, 8 : 1

350)



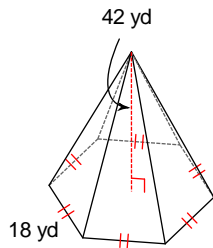
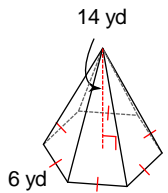
4 : 9, 16 : 81, 64 : 729

351)



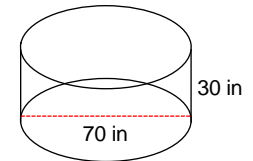
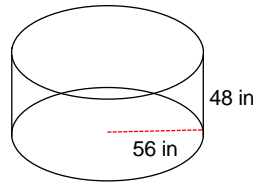
4 : 5, 16 : 25, 64 : 125

352)



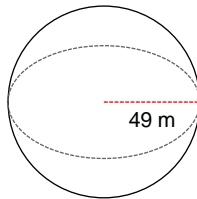
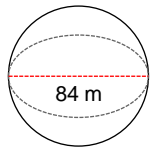
1 : 3, 1 : 9, 1 : 27

353)



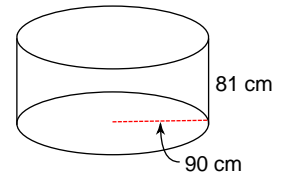
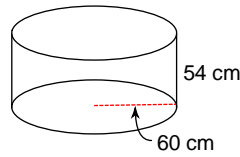
8 : 5, 64 : 25, 512 : 125

354)



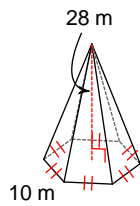
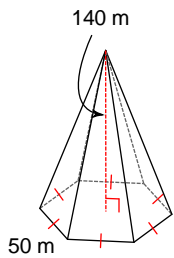
6 : 7, 36 : 49, 216 : 343

355)



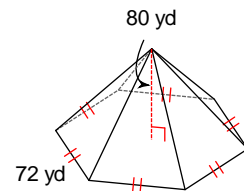
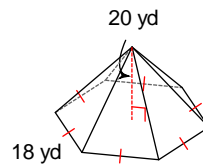
2 : 3, 4 : 9, 8 : 27

356)



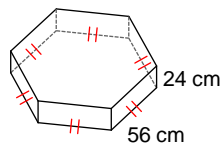
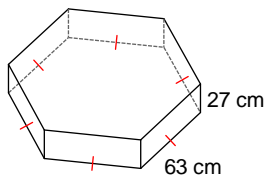
5 : 1, 25 : 1, 125 : 1

357)



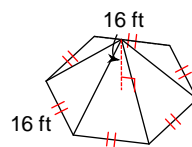
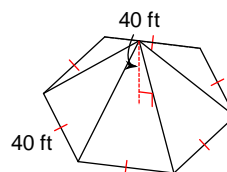
1 : 4, 1 : 16, 1 : 64

358)



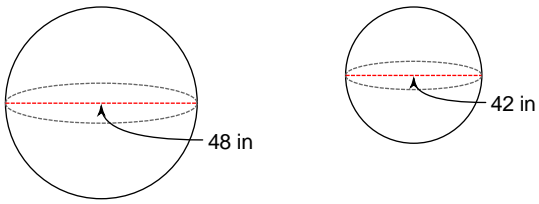
9 : 8, 81 : 64, 729 : 512

359)



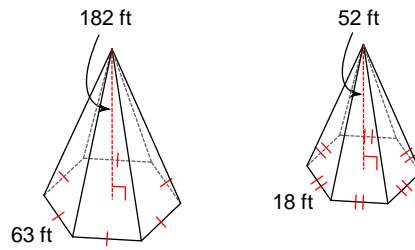
5 : 2, 25 : 4, 125 : 8

360)



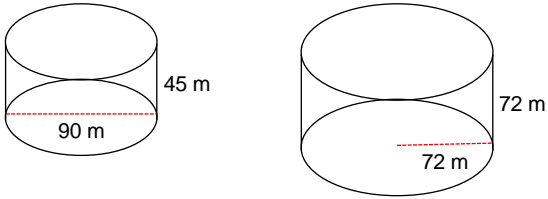
8 : 7, 64 : 49, 512 : 343

361)



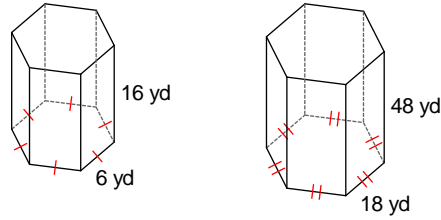
7 : 2, 49 : 4, 343 : 8

362)



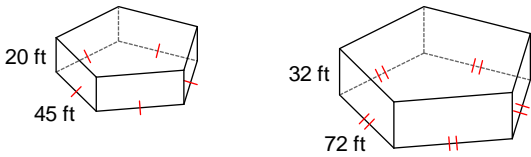
5 : 8, 25 : 64, 125 : 512

363)



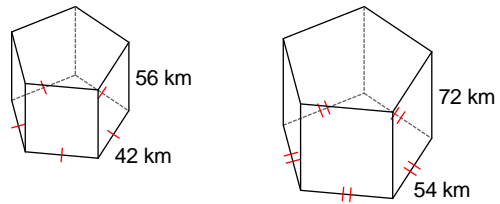
1 : 3, 1 : 9, 1 : 27

364)



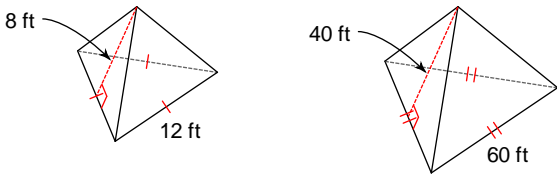
5 : 8, 25 : 64, 125 : 512

365)



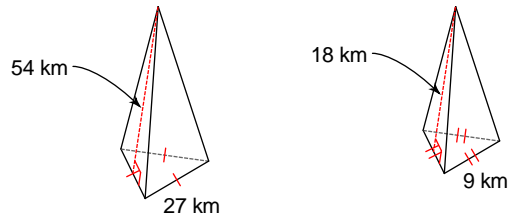
7 : 9, 49 : 81, 343 : 729

366)



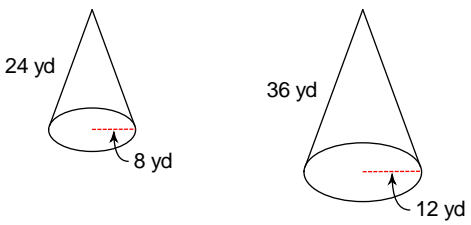
1 : 5, 1 : 25, 1 : 125

367)



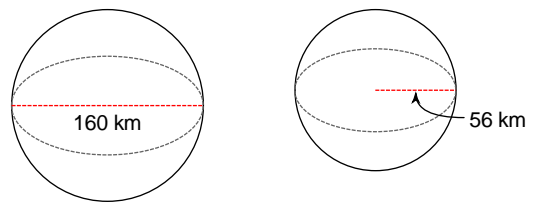
3 : 1, 9 : 1, 27 : 1

368)



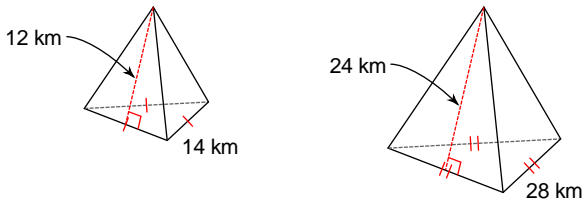
2 : 3, 4 : 9, 8 : 27

369)

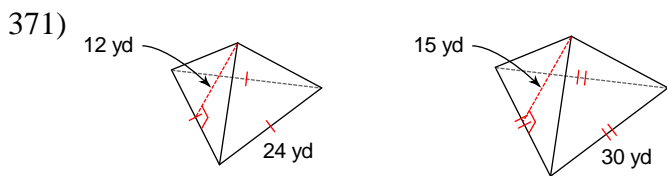


10 : 7, 100 : 49, 1000 : 343

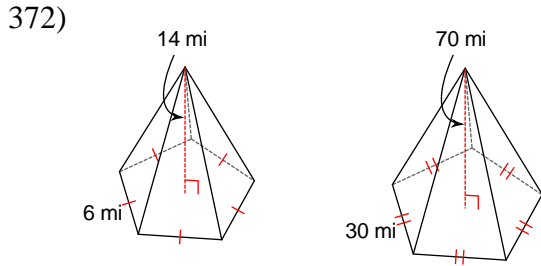
370)



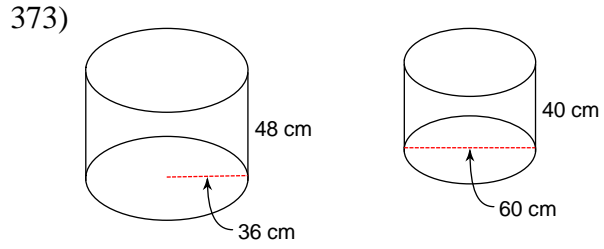
1 : 2, 1 : 4, 1 : 8



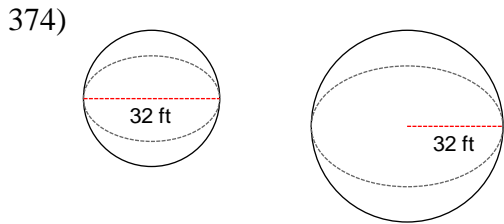
4 : 5, 16 : 25, 64 : 125



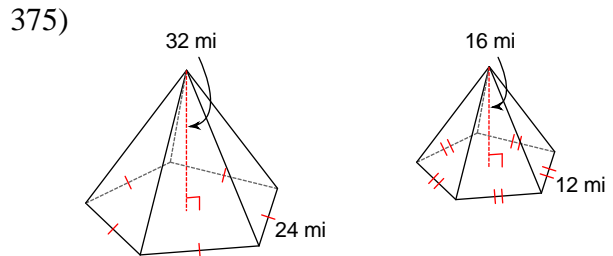
1 : 5, 1 : 25, 1 : 125



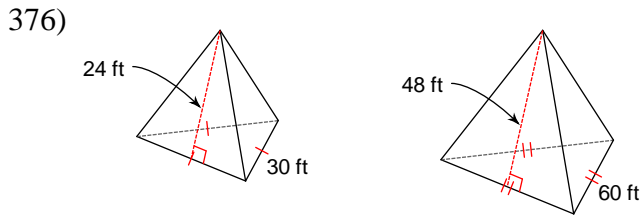
6 : 5, 36 : 25, 216 : 125



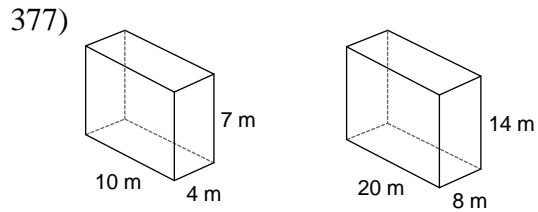
1 : 2, 1 : 4, 1 : 8



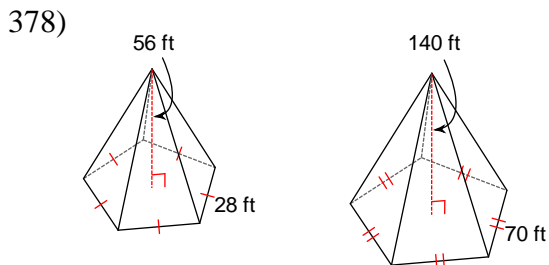
2 : 1, 4 : 1, 8 : 1



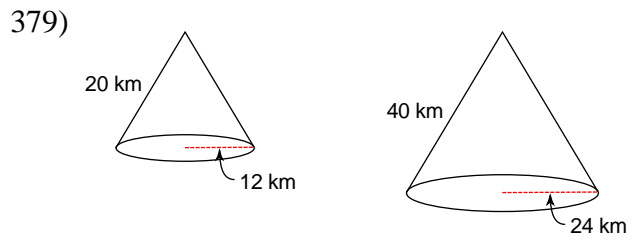
1 : 2, 1 : 4, 1 : 8



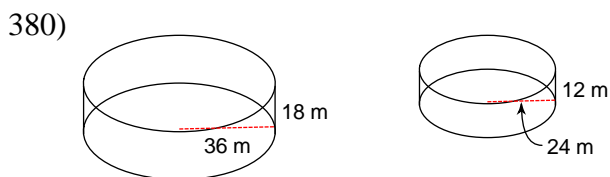
1 : 2, 1 : 4, 1 : 8



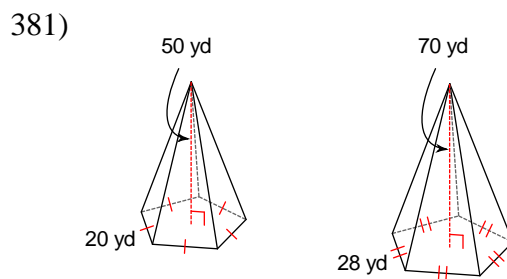
2 : 5, 4 : 25, 8 : 125



1 : 2, 1 : 4, 1 : 8

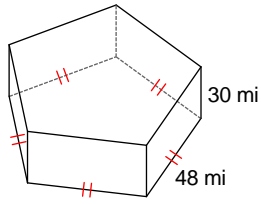
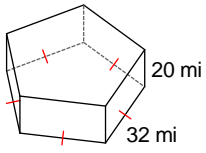


3 : 2, 9 : 4, 27 : 8



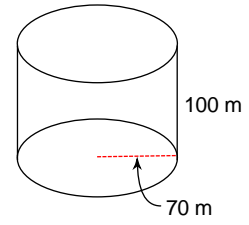
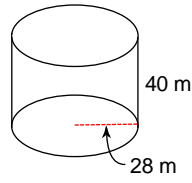
5 : 7, 25 : 49, 125 : 343

382)



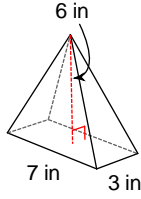
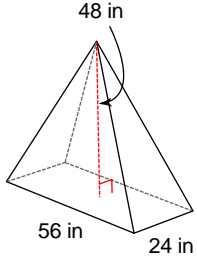
2 : 3, 4 : 9, 8 : 27

383)



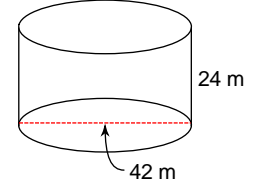
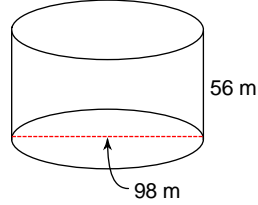
2 : 5, 4 : 25, 8 : 125

384)



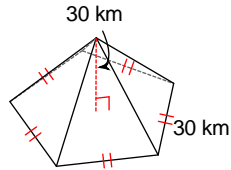
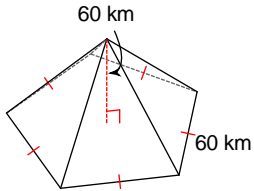
8 : 1, 64 : 1, 512 : 1

385)



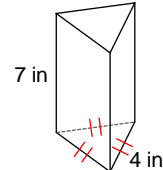
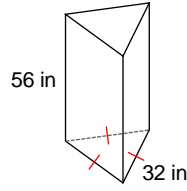
7 : 3, 49 : 9, 343 : 27

386)



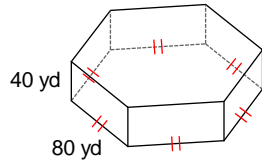
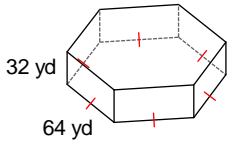
2 : 1, 4 : 1, 8 : 1

387)



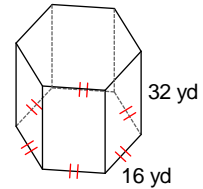
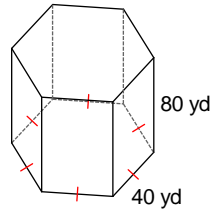
8 : 1, 64 : 1, 512 : 1

388)



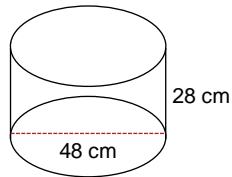
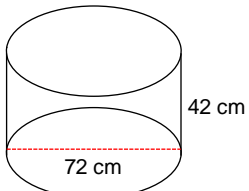
4 : 5, 16 : 25, 64 : 125

389)



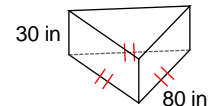
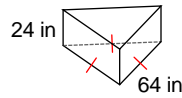
5 : 2, 25 : 4, 125 : 8

390)



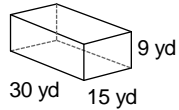
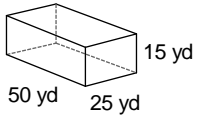
3 : 2, 9 : 4, 27 : 8

391)



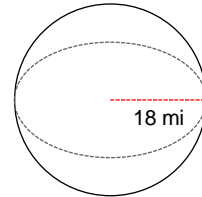
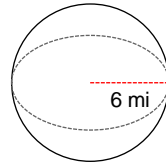
4 : 5, 16 : 25, 64 : 125

392)



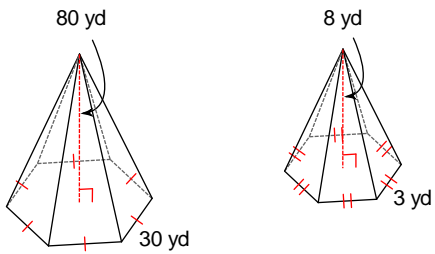
5 : 3, 25 : 9, 125 : 27

393)



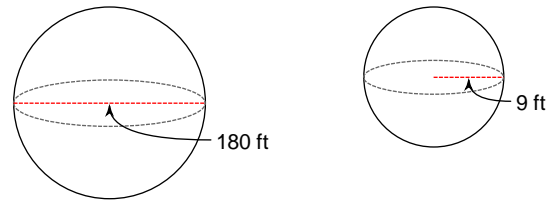
1 : 3, 1 : 9, 1 : 27

394)



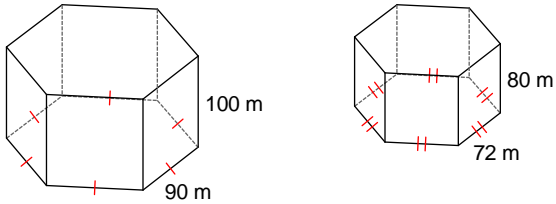
10 : 1, 100 : 1, 1000 : 1

395)



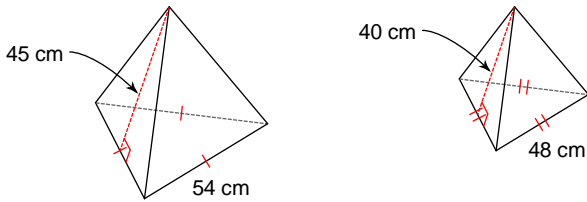
10 : 1, 100 : 1, 1000 : 1

396)



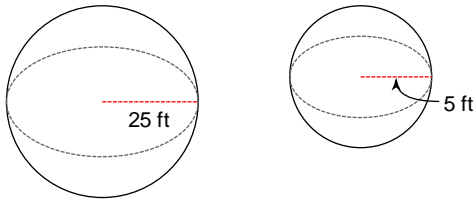
5 : 4, 25 : 16, 125 : 64

397)



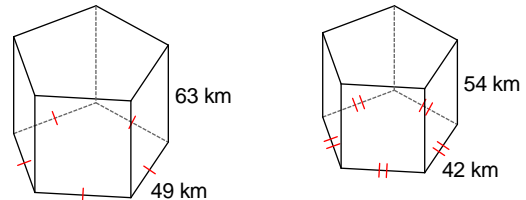
9 : 8, 81 : 64, 729 : 512

398)



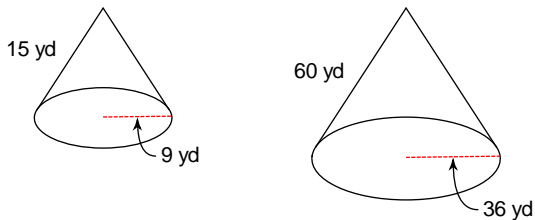
5 : 1, 25 : 1, 125 : 1

399)



7 : 6, 49 : 36, 343 : 216

400)



1 : 4, 1 : 16, 1 : 64

**Find the volumens and surface areas:**

401) scale factor = 7 : 9

$$SA = 735 \text{ yd}^2$$

$$V = 6174 \text{ yd}^3$$

$$SA = 1215 \text{ yd}^2, V = 13122 \text{ yd}^3$$

402) scale factor = 7 : 10

$$SA = 980 \text{ cm}^2$$

$$V = 9604 \text{ cm}^3$$

$$SA = 2000 \text{ cm}^2, V = 28000 \text{ cm}^3$$

403) scale factor = 7 : 9

$$SA = 392 \text{ mi}^2$$

$$V = 6517 \text{ mi}^3$$

$$SA = 648 \text{ mi}^2, V = 13851 \text{ mi}^3$$

404) scale factor = 7 : 8

$$SA = 343 \text{ ft}^2$$

$$V = 2401 \text{ ft}^3$$

$$SA = 448 \text{ ft}^2, V = 3584 \text{ ft}^3$$

- 405) scale factor = 1 : 2  
 SA = 68 km<sup>2</sup>  
 V = 104 km<sup>3</sup>  
 SA = 272 km<sup>2</sup>, V = 832 km<sup>3</sup>
- 407) scale factor = 1 : 3  
 SA = 20 km<sup>2</sup>  
 V = 240 km<sup>3</sup>  
 SA = 180 km<sup>2</sup>, V = 6480 km<sup>3</sup>
- 409) scale factor = 3 : 5  
 SA = 36 cm<sup>2</sup>  
 V = 4968 cm<sup>3</sup>  
 SA = 100 cm<sup>2</sup>, V = 23000 cm<sup>3</sup>
- 411) scale factor = 1 : 4  
 SA = 12 cm<sup>2</sup>  
 V = 12 cm<sup>3</sup>  
 SA = 192 cm<sup>2</sup>, V = 768 cm<sup>3</sup>
- 413) scale factor = 9 : 10  
 SA = 1296 ft<sup>2</sup>  
 V = 15309 ft<sup>3</sup>  
 SA = 1600 ft<sup>2</sup>, V = 21000 ft<sup>3</sup>
- 415) scale factor = 3 : 4  
 SA = 396 mi<sup>2</sup>  
 V = 2160 mi<sup>3</sup>  
 SA = 704 mi<sup>2</sup>, V = 5120 mi<sup>3</sup>
- 417) scale factor = 4 : 5  
 SA = 832 mi<sup>2</sup>  
 V = 10752 mi<sup>3</sup>  
 SA = 1300 mi<sup>2</sup>, V = 21000 mi<sup>3</sup>
- 419) scale factor = 1 : 6  
 SA = 15 km<sup>2</sup>  
 V = 25 km<sup>3</sup>  
 SA = 540 km<sup>2</sup>, V = 5400 km<sup>3</sup>
- 421) scale factor = 3 : 4  
 SA = 576 km<sup>2</sup>  
 V = 3024 km<sup>3</sup>  
 SA = 1024 km<sup>2</sup>, V = 7168 km<sup>3</sup>
- 423) scale factor = 1 : 8  
 SA = 4 yd<sup>2</sup>  
 V = 15 yd<sup>3</sup>  
 SA = 256 yd<sup>2</sup>, V = 7680 yd<sup>3</sup>
- 406) scale factor = 3 : 7  
 SA = 153 m<sup>2</sup>  
 V = 351 m<sup>3</sup>  
 SA = 833 m<sup>2</sup>, V = 4459 m<sup>3</sup>
- 408) scale factor = 3 : 5  
 SA = 684 m<sup>2</sup>  
 V = 6480 m<sup>3</sup>  
 SA = 1900 m<sup>2</sup>, V = 30000 m<sup>3</sup>
- 410) scale factor = 4 : 5  
 SA = 768 yd<sup>2</sup>  
 V = 7168 yd<sup>3</sup>  
 SA = 1200 yd<sup>2</sup>, V = 14000 yd<sup>3</sup>
- 412) scale factor = 3 : 5  
 SA = 72 ft<sup>2</sup>  
 V = 1512 ft<sup>3</sup>  
 SA = 200 ft<sup>2</sup>, V = 7000 ft<sup>3</sup>
- 414) scale factor = 1 : 4  
 SA = 80 mi<sup>2</sup>  
 V = 216 mi<sup>3</sup>  
 SA = 1280 mi<sup>2</sup>, V = 13824 mi<sup>3</sup>
- 416) scale factor = 2 : 5  
 SA = 64 km<sup>2</sup>  
 V = 1600 km<sup>3</sup>  
 SA = 400 km<sup>2</sup>, V = 25000 km<sup>3</sup>
- 418) scale factor = 1 : 8  
 SA = 3 yd<sup>2</sup>  
 V = 18 yd<sup>3</sup>  
 SA = 192 yd<sup>2</sup>, V = 9216 yd<sup>3</sup>
- 420) scale factor = 5 : 8  
 SA = 275 km<sup>2</sup>  
 V = 3375 km<sup>3</sup>  
 SA = 704 km<sup>2</sup>, V = 13824 km<sup>3</sup>
- 422) scale factor = 7 : 9  
 SA = 294 mi<sup>2</sup>  
 V = 6174 mi<sup>3</sup>  
 SA = 486 mi<sup>2</sup>, V = 13122 mi<sup>3</sup>
- 424) scale factor = 1 : 2  
 SA = 375 ft<sup>2</sup>  
 V = 875 ft<sup>3</sup>  
 SA = 1500 ft<sup>2</sup>, V = 7000 ft<sup>3</sup>

- 425) scale factor = 2 : 3  
 SA = 80 ft<sup>2</sup>  
 V = 512 ft<sup>3</sup>  
 SA = 180 ft<sup>2</sup>, V = 1728 ft<sup>3</sup>
- 427) scale factor = 1 : 7  
 SA = 5 cm<sup>2</sup>  
 V = 22 cm<sup>3</sup>  
 SA = 245 cm<sup>2</sup>, V = 7546 cm<sup>3</sup>
- 429) scale factor = 5 : 8  
 SA = 175 m<sup>2</sup>  
 V = 875 m<sup>3</sup>  
 SA = 448 m<sup>2</sup>, V = 3584 m<sup>3</sup>
- 431) scale factor = 2 : 7  
 SA = 16 yd<sup>2</sup>  
 V = 240 yd<sup>3</sup>  
 SA = 196 yd<sup>2</sup>, V = 10290 yd<sup>3</sup>
- 433) scale factor = 1 : 6  
 SA = 9 yd<sup>2</sup>  
 V = 12 yd<sup>3</sup>  
 SA = 324 yd<sup>2</sup>, V = 2592 yd<sup>3</sup>
- 435) scale factor = 1 : 8  
 SA = 16 m<sup>2</sup>  
 V = 23 m<sup>3</sup>  
 SA = 1024 m<sup>2</sup>, V = 11776 m<sup>3</sup>
- 437) scale factor = 2 : 5  
 SA = 224 ft<sup>2</sup>  
 V = 1792 ft<sup>3</sup>  
 SA = 1400 ft<sup>2</sup>, V = 28000 ft<sup>3</sup>
- 439) scale factor = 3 : 7  
 SA = 135 mi<sup>2</sup>  
 V = 216 mi<sup>3</sup>  
 SA = 735 mi<sup>2</sup>, V = 2744 mi<sup>3</sup>
- 441) scale factor = 4 : 7  
 SA = 96 mi<sup>2</sup>  
 V = 1792 mi<sup>3</sup>  
 SA = 294 mi<sup>2</sup>, V = 9604 mi<sup>3</sup>
- 443) scale factor = 1 : 7  
 SA = 18 yd<sup>2</sup>  
 V = 9 yd<sup>3</sup>  
 SA = 882 yd<sup>2</sup>, V = 3087 yd<sup>3</sup>
- 426) scale factor = 1 : 2  
 SA = 48 m<sup>2</sup>  
 V = 1088 m<sup>3</sup>  
 SA = 192 m<sup>2</sup>, V = 8704 m<sup>3</sup>
- 428) scale factor = 7 : 8  
 SA = 245 cm<sup>2</sup>  
 V = 3087 cm<sup>3</sup>  
 SA = 320 cm<sup>2</sup>, V = 4608 cm<sup>3</sup>
- 430) scale factor = 5 : 7  
 SA = 350 ft<sup>2</sup>  
 V = 3250 ft<sup>3</sup>  
 SA = 686 ft<sup>2</sup>, V = 8918 ft<sup>3</sup>
- 432) scale factor = 1 : 8  
 SA = 14 in<sup>2</sup>  
 V = 13 in<sup>3</sup>  
 SA = 896 in<sup>2</sup>, V = 6656 in<sup>3</sup>
- 434) scale factor = 2 : 7  
 SA = 68 yd<sup>2</sup>  
 V = 144 yd<sup>3</sup>  
 SA = 833 yd<sup>2</sup>, V = 6174 yd<sup>3</sup>
- 436) scale factor = 3 : 4  
 SA = 63 m<sup>2</sup>  
 V = 243 m<sup>3</sup>  
 SA = 112 m<sup>2</sup>, V = 576 m<sup>3</sup>
- 438) scale factor = 1 : 3  
 SA = 90 yd<sup>2</sup>  
 V = 270 yd<sup>3</sup>  
 SA = 810 yd<sup>2</sup>, V = 7290 yd<sup>3</sup>
- 440) scale factor = 1 : 3  
 SA = 162 ft<sup>2</sup>  
 V = 756 ft<sup>3</sup>  
 SA = 1458 ft<sup>2</sup>, V = 20412 ft<sup>3</sup>
- 442) scale factor = 4 : 9  
 SA = 224 mi<sup>2</sup>  
 V = 384 mi<sup>3</sup>  
 SA = 1134 mi<sup>2</sup>, V = 4374 mi<sup>3</sup>
- 444) scale factor = 5 : 8  
 SA = 450 ft<sup>2</sup>  
 V = 875 ft<sup>3</sup>  
 SA = 1152 ft<sup>2</sup>, V = 3584 ft<sup>3</sup>

- 445) scale factor = 2 : 3  
 SA = 224 ft<sup>2</sup>  
 V = 768 ft<sup>3</sup>  
 SA = 504 ft<sup>2</sup>, V = 2592 ft<sup>3</sup>
- 447) scale factor = 2 : 3  
 SA = 96 cm<sup>2</sup>  
 V = 1152 cm<sup>3</sup>  
 SA = 216 cm<sup>2</sup>, V = 3888 cm<sup>3</sup>
- 449) scale factor = 1 : 2  
 SA = 180 ft<sup>2</sup>  
 V = 324 ft<sup>3</sup>  
 SA = 720 ft<sup>2</sup>, V = 2592 ft<sup>3</sup>
- 451) scale factor = 4 : 7  
 SA = 192 in<sup>2</sup>  
 V = 1216 in<sup>3</sup>  
 SA = 588 in<sup>2</sup>, V = 6517 in<sup>3</sup>
- 453) scale factor = 2 : 3  
 SA = 240 yd<sup>2</sup>  
 V = 640 yd<sup>3</sup>  
 SA = 540 yd<sup>2</sup>, V = 2160 yd<sup>3</sup>
- 455) scale factor = 3 : 5  
 SA = 144 mi<sup>2</sup>  
 V = 648 mi<sup>3</sup>  
 SA = 400 mi<sup>2</sup>, V = 3000 mi<sup>3</sup>
- 457) scale factor = 2 : 5  
 SA = 8 mi<sup>2</sup>  
 V = 96 mi<sup>3</sup>  
 SA = 50 mi<sup>2</sup>, V = 1500 mi<sup>3</sup>
- 459) scale factor = 7 : 9  
 SA = 833 km<sup>2</sup>  
 V = 5145 km<sup>3</sup>  
 SA = 1377 km<sup>2</sup>, V = 10935 km<sup>3</sup>
- 461) scale factor = 1 : 3  
 SA = 36 yd<sup>2</sup>  
 V = 783 yd<sup>3</sup>  
 SA = 324 yd<sup>2</sup>, V = 21141 yd<sup>3</sup>
- 463) scale factor = 5 : 9  
 SA = 100 in<sup>2</sup>  
 V = 1625 in<sup>3</sup>  
 SA = 324 in<sup>2</sup>, V = 9477 in<sup>3</sup>
- 446) scale factor = 5 : 9  
 SA = 475 yd<sup>2</sup>  
 V = 1250 yd<sup>3</sup>  
 SA = 1539 yd<sup>2</sup>, V = 7290 yd<sup>3</sup>
- 448) scale factor = 5 : 7  
 SA = 275 yd<sup>2</sup>  
 V = 3500 yd<sup>3</sup>  
 SA = 539 yd<sup>2</sup>, V = 9604 yd<sup>3</sup>
- 450) scale factor = 1 : 2  
 SA = 272 cm<sup>2</sup>  
 V = 1472 cm<sup>3</sup>  
 SA = 1088 cm<sup>2</sup>, V = 11776 cm<sup>3</sup>
- 452) scale factor = 4 : 5  
 SA = 288 km<sup>2</sup>  
 V = 512 km<sup>3</sup>  
 SA = 450 km<sup>2</sup>, V = 1000 km<sup>3</sup>
- 454) scale factor = 4 : 5  
 SA = 64 cm<sup>2</sup>  
 V = 1152 cm<sup>3</sup>  
 SA = 100 cm<sup>2</sup>, V = 2250 cm<sup>3</sup>
- 456) scale factor = 1 : 8  
 SA = 2 ft<sup>2</sup>  
 V = 30 ft<sup>3</sup>  
 SA = 128 ft<sup>2</sup>, V = 15360 ft<sup>3</sup>
- 458) scale factor = 1 : 7  
 SA = 19 km<sup>2</sup>  
 V = 22 km<sup>3</sup>  
 SA = 931 km<sup>2</sup>, V = 7546 km<sup>3</sup>
- 460) scale factor = 5 : 9  
 SA = 125 mi<sup>2</sup>  
 V = 3500 mi<sup>3</sup>  
 SA = 405 mi<sup>2</sup>, V = 20412 mi<sup>3</sup>
- 462) scale factor = 4 : 5  
 SA = 208 mi<sup>2</sup>  
 V = 1216 mi<sup>3</sup>  
 SA = 325 mi<sup>2</sup>, V = 2375 mi<sup>3</sup>
- 464) scale factor = 2 : 3  
 SA = 8 ft<sup>2</sup>  
 V = 168 ft<sup>3</sup>  
 SA = 18 ft<sup>2</sup>, V = 567 ft<sup>3</sup>



- 465) scale factor = 3 : 7  
 SA = 108 yd<sup>2</sup>  
 V = 702 yd<sup>3</sup>  
 SA = 588 yd<sup>2</sup>, V = 8918 yd<sup>3</sup>
- 467) scale factor = 6 : 7  
 SA = 108 cm<sup>2</sup>  
 V = 6480 cm<sup>3</sup>  
 SA = 147 cm<sup>2</sup>, V = 10290 cm<sup>3</sup>
- 469) scale factor = 1 : 9  
 SA = 9 mi<sup>2</sup>  
 V = 22 mi<sup>3</sup>  
 SA = 729 mi<sup>2</sup>, V = 16038 mi<sup>3</sup>
- 471) scale factor = 1 : 2  
 SA = 48 km<sup>2</sup>  
 V = 152 km<sup>3</sup>  
 SA = 192 km<sup>2</sup>, V = 1216 km<sup>3</sup>
- 473) scale factor = 1 : 2  
 SA = 288 yd<sup>2</sup>  
 V = 768 yd<sup>3</sup>  
 SA = 1152 yd<sup>2</sup>, V = 6144 yd<sup>3</sup>
- 475) scale factor = 5 : 8  
 SA = 50 mi<sup>2</sup>  
 V = 875 mi<sup>3</sup>  
 SA = 128 mi<sup>2</sup>, V = 3584 mi<sup>3</sup>
- 477) scale factor = 7 : 9  
 SA = 49 m<sup>2</sup>  
 V = 6517 m<sup>3</sup>  
 SA = 81 m<sup>2</sup>, V = 13851 m<sup>3</sup>
- 479) scale factor = 6 : 7  
 SA = 684 in<sup>2</sup>  
 V = 1512 in<sup>3</sup>  
 SA = 931 in<sup>2</sup>, V = 2401 in<sup>3</sup>
- 481) scale factor = 4 : 9  
 SA = 112 km<sup>2</sup>  
 V = 1792 km<sup>3</sup>  
 SA = 567 km<sup>2</sup>, V = 20412 km<sup>3</sup>
- 483) scale factor = 1 : 10  
 SA = 5 m<sup>2</sup>  
 V = 16 m<sup>3</sup>  
 SA = 500 m<sup>2</sup>, V = 16000 m<sup>3</sup>
- 466) scale factor = 1 : 3  
 SA = 108 in<sup>2</sup>  
 V = 135 in<sup>3</sup>  
 SA = 972 in<sup>2</sup>, V = 3645 in<sup>3</sup>
- 468) scale factor = 1 : 7  
 SA = 12 cm<sup>2</sup>  
 V = 23 cm<sup>3</sup>  
 SA = 588 cm<sup>2</sup>, V = 7889 cm<sup>3</sup>
- 470) scale factor = 1 : 3  
 SA = 56 yd<sup>2</sup>  
 V = 72 yd<sup>3</sup>  
 SA = 504 yd<sup>2</sup>, V = 1944 yd<sup>3</sup>
- 472) scale factor = 1 : 6  
 SA = 17 km<sup>2</sup>  
 V = 13 km<sup>3</sup>  
 SA = 612 km<sup>2</sup>, V = 2808 km<sup>3</sup>
- 474) scale factor = 5 : 6  
 SA = 300 cm<sup>2</sup>  
 V = 1000 cm<sup>3</sup>  
 SA = 432 cm<sup>2</sup>, V = 1728 cm<sup>3</sup>
- 476) scale factor = 7 : 9  
 SA = 49 ft<sup>2</sup>  
 V = 5488 ft<sup>3</sup>  
 SA = 81 ft<sup>2</sup>, V = 11664 ft<sup>3</sup>
- 478) scale factor = 7 : 8  
 SA = 392 yd<sup>2</sup>  
 V = 3430 yd<sup>3</sup>  
 SA = 512 yd<sup>2</sup>, V = 5120 yd<sup>3</sup>
- 480) scale factor = 1 : 4  
 SA = 1 yd<sup>2</sup>  
 V = 5 yd<sup>3</sup>  
 SA = 16 yd<sup>2</sup>, V = 320 yd<sup>3</sup>
- 482) scale factor = 1 : 2  
 SA = 16 m<sup>2</sup>  
 V = 11 m<sup>3</sup>  
 SA = 64 m<sup>2</sup>, V = 88 m<sup>3</sup>
- 484) scale factor = 3 : 5  
 SA = 126 yd<sup>2</sup>  
 V = 486 yd<sup>3</sup>  
 SA = 350 yd<sup>2</sup>, V = 2250 yd<sup>3</sup>

- 485) scale factor = 6 : 7  
 SA = 180 yd<sup>2</sup>  
 V = 2592 yd<sup>3</sup>  
 SA = 245 yd<sup>2</sup>, V = 4116 yd<sup>3</sup>
- 487) scale factor = 4 : 5  
 SA = 208 in<sup>2</sup>  
 V = 448 in<sup>3</sup>  
 SA = 325 in<sup>2</sup>, V = 875 in<sup>3</sup>
- 489) scale factor = 1 : 8  
 SA = 20 mi<sup>2</sup>  
 V = 11 mi<sup>3</sup>  
 SA = 1280 mi<sup>2</sup>, V = 5632 mi<sup>3</sup>
- 491) scale factor = 4 : 5  
 SA = 1152 in<sup>2</sup>  
 V = 3584 in<sup>3</sup>  
 SA = 1800 in<sup>2</sup>, V = 7000 in<sup>3</sup>
- 493) scale factor = 1 : 6  
 SA = 11 cm<sup>2</sup>  
 V = 30 cm<sup>3</sup>  
 SA = 396 cm<sup>2</sup>, V = 6480 cm<sup>3</sup>
- 495) scale factor = 3 : 5  
 SA = 612 in<sup>2</sup>  
 V = 3024 in<sup>3</sup>  
 SA = 1700 in<sup>2</sup>, V = 14000 in<sup>3</sup>
- 497) scale factor = 2 : 9  
 SA = 16 mi<sup>2</sup>  
 V = 96 mi<sup>3</sup>  
 SA = 324 mi<sup>2</sup>, V = 8748 mi<sup>3</sup>
- 499) scale factor = 5 : 6  
 SA = 500 km<sup>2</sup>  
 V = 2000 km<sup>3</sup>  
 SA = 720 km<sup>2</sup>, V = 3456 km<sup>3</sup>
- 486) scale factor = 3 : 8  
 SA = 72 mi<sup>2</sup>  
 V = 810 mi<sup>3</sup>  
 SA = 512 mi<sup>2</sup>, V = 15360 mi<sup>3</sup>
- 488) scale factor = 5 : 6  
 SA = 475 mi<sup>2</sup>  
 V = 2000 mi<sup>3</sup>  
 SA = 684 mi<sup>2</sup>, V = 3456 mi<sup>3</sup>
- 490) scale factor = 1 : 6  
 SA = 4 yd<sup>2</sup>  
 V = 19 yd<sup>3</sup>  
 SA = 144 yd<sup>2</sup>, V = 4104 yd<sup>3</sup>
- 492) scale factor = 3 : 5  
 SA = 135 ft<sup>2</sup>  
 V = 351 ft<sup>3</sup>  
 SA = 375 ft<sup>2</sup>, V = 1625 ft<sup>3</sup>
- 494) scale factor = 1 : 6  
 SA = 12 yd<sup>2</sup>  
 V = 13 yd<sup>3</sup>  
 SA = 432 yd<sup>2</sup>, V = 2808 yd<sup>3</sup>
- 496) scale factor = 5 : 7  
 SA = 475 mi<sup>2</sup>  
 V = 3000 mi<sup>3</sup>  
 SA = 931 mi<sup>2</sup>, V = 8232 mi<sup>3</sup>
- 498) scale factor = 8 : 9  
 SA = 896 mi<sup>2</sup>  
 V = 9728 mi<sup>3</sup>  
 SA = 1134 mi<sup>2</sup>, V = 13851 mi<sup>3</sup>
- 500) scale factor = 3 : 10  
 SA = 108 cm<sup>2</sup>  
 V = 621 cm<sup>3</sup>  
 SA = 1200 cm<sup>2</sup>, V = 23000 cm<sup>3</sup>