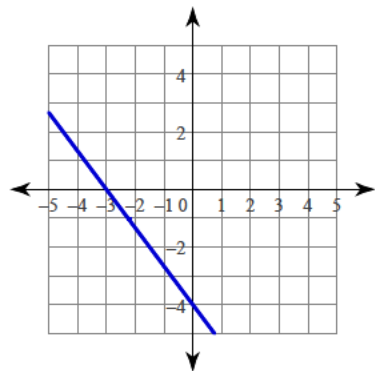


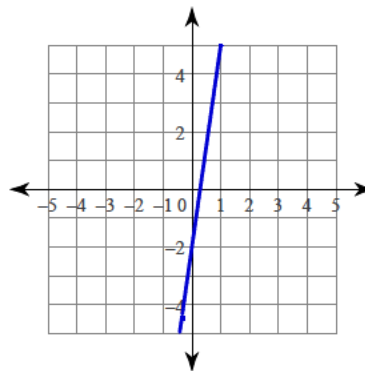
Linear and affine functions - standard form

Write down standard form from graph form:

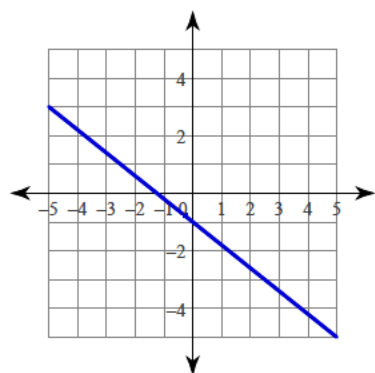
1)



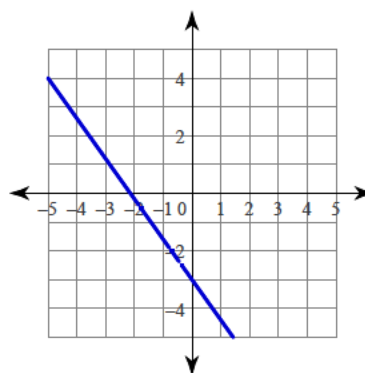
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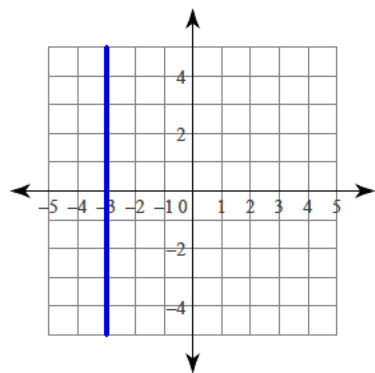
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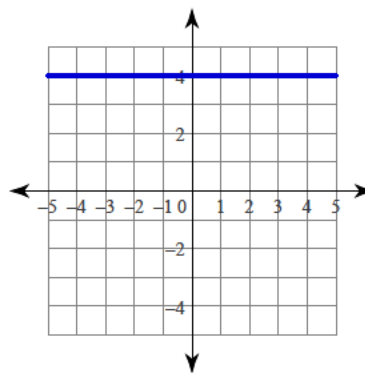
4)



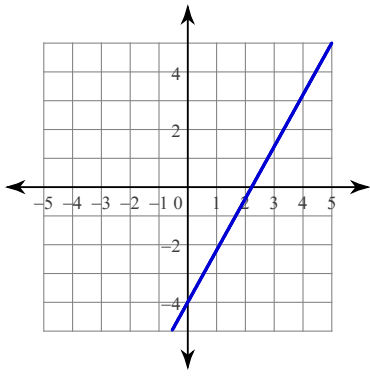
5)



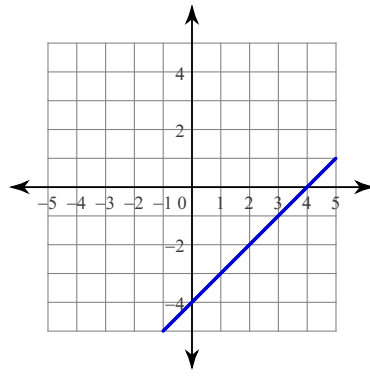
6)



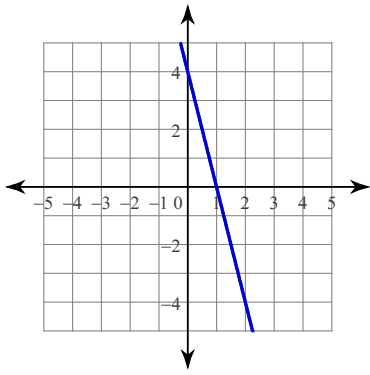
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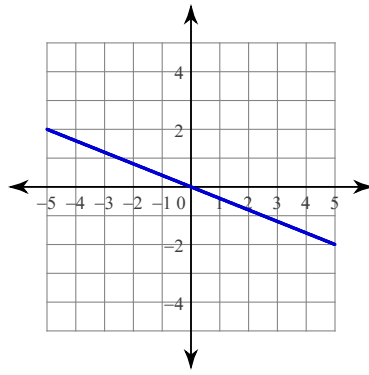
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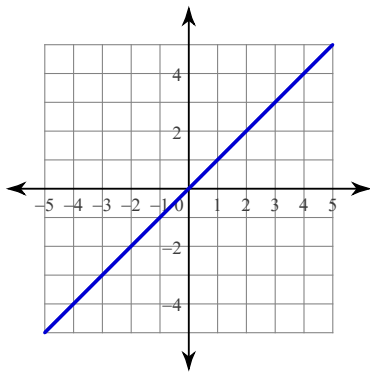
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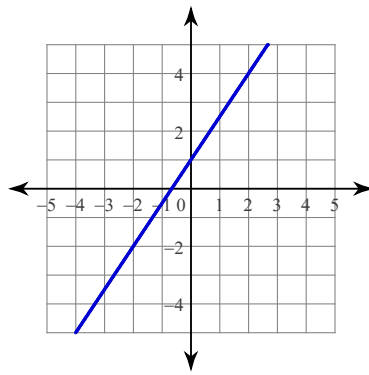
10)



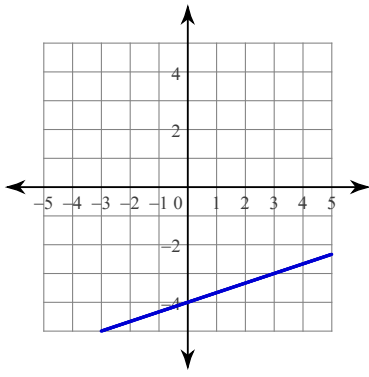
11)



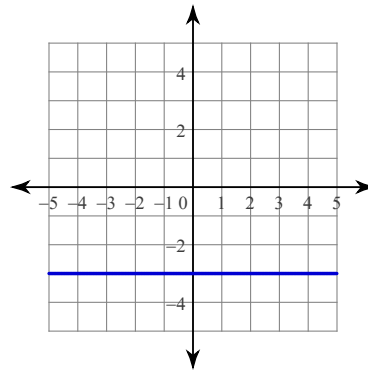
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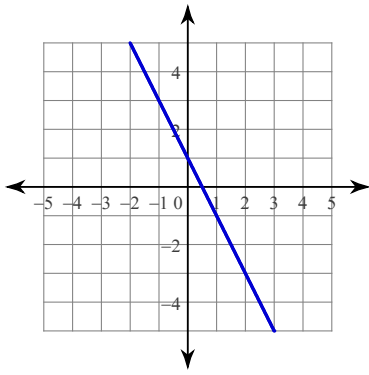
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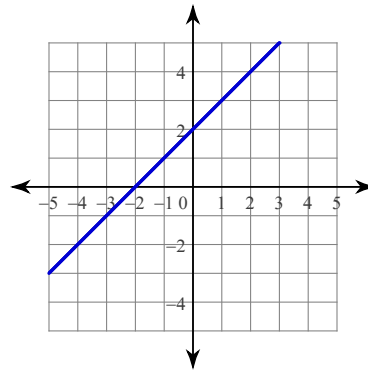
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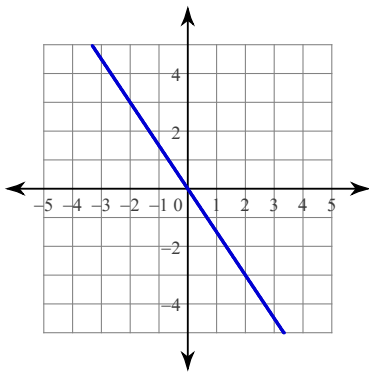
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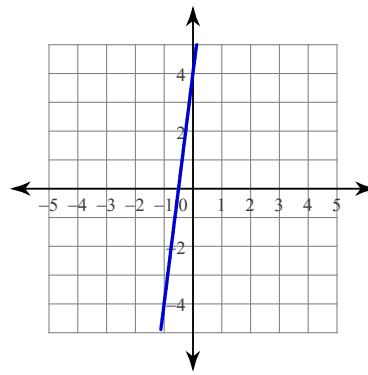
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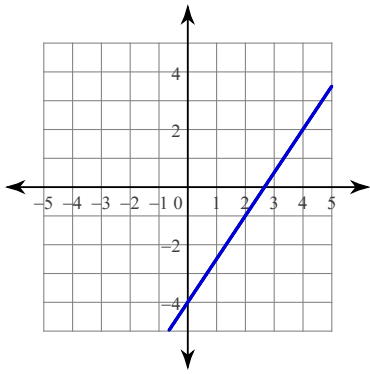
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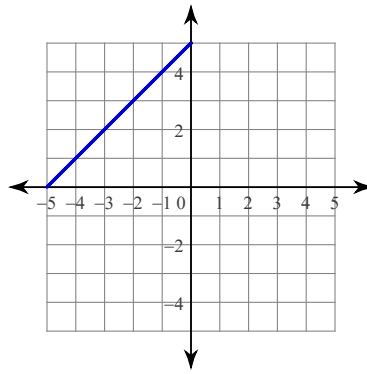
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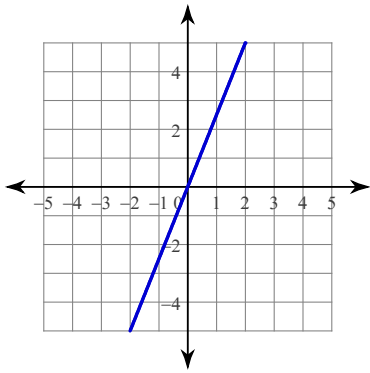
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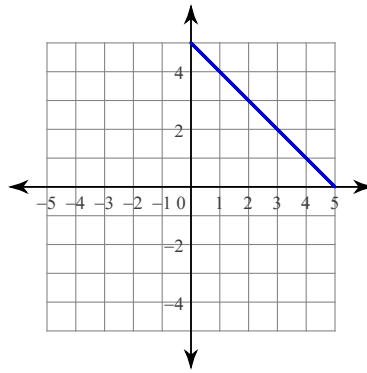
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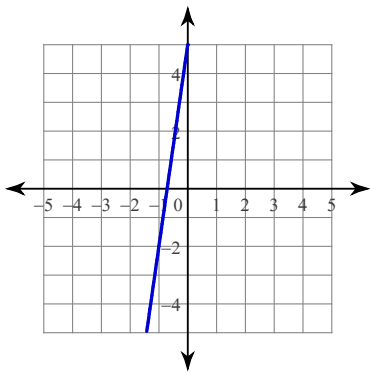
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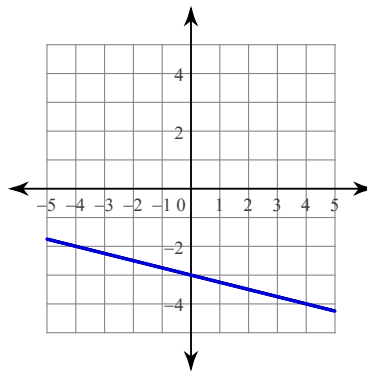
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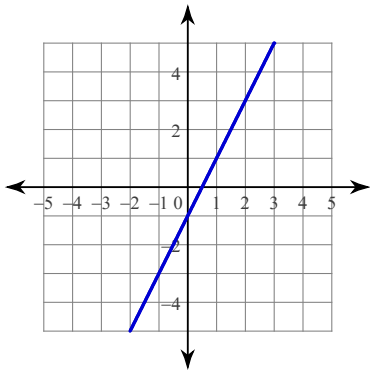
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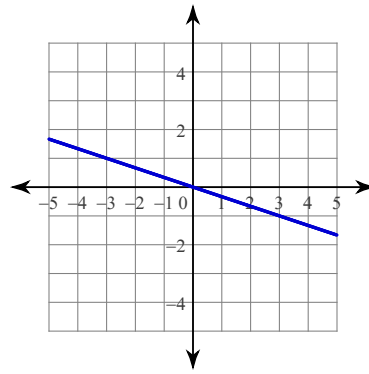
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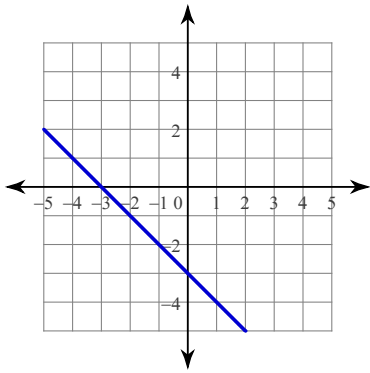
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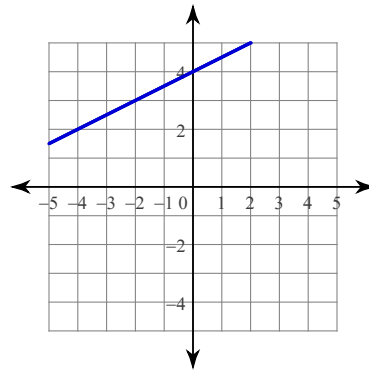
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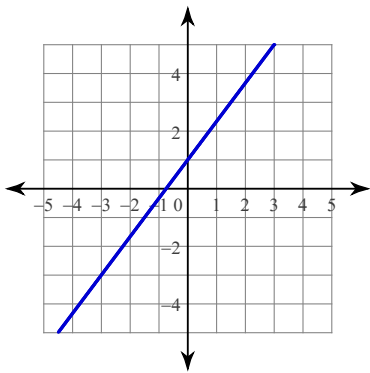
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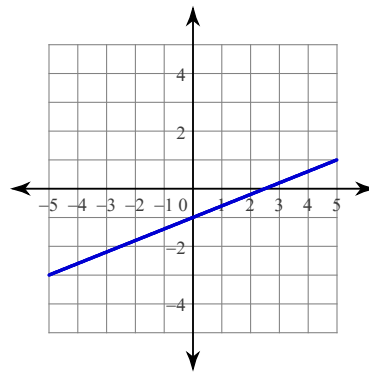
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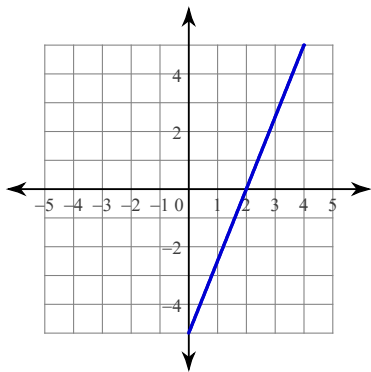
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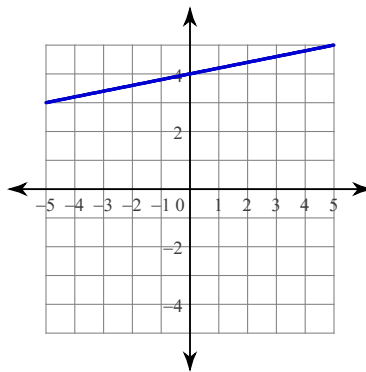
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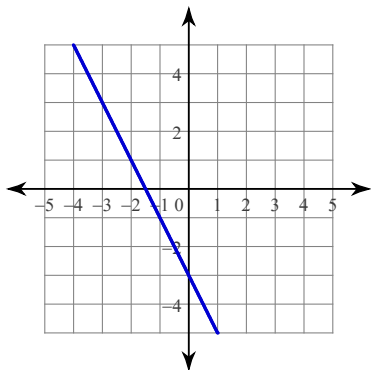
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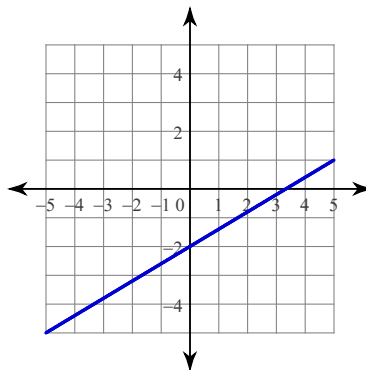
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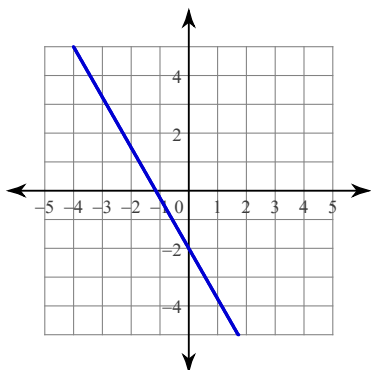
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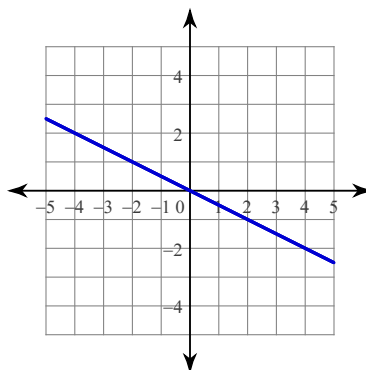
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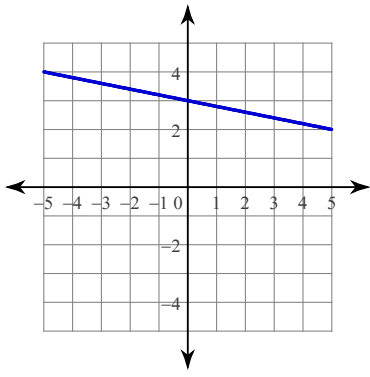
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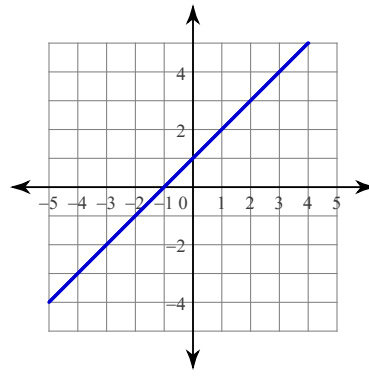
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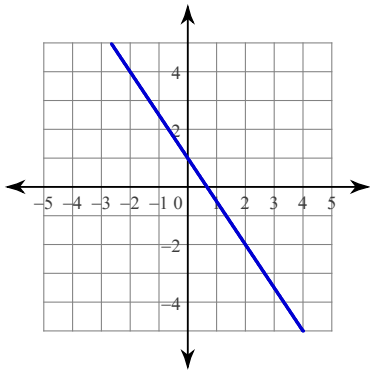
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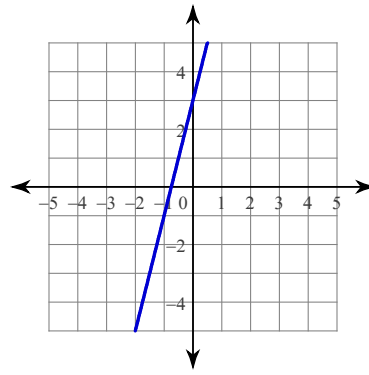
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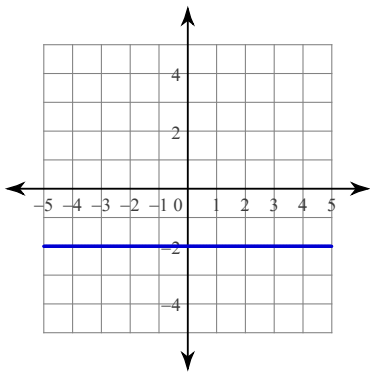
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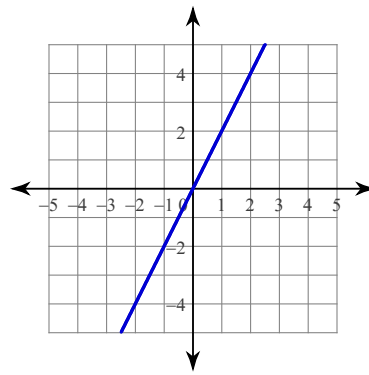
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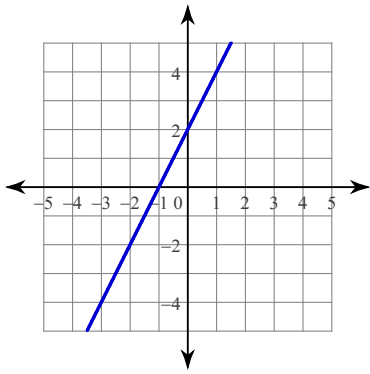
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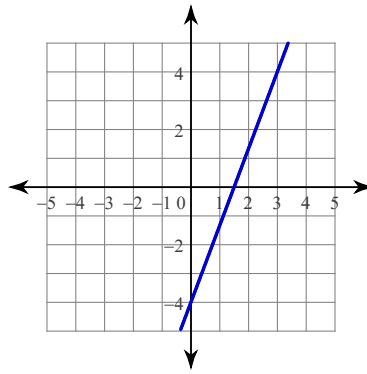
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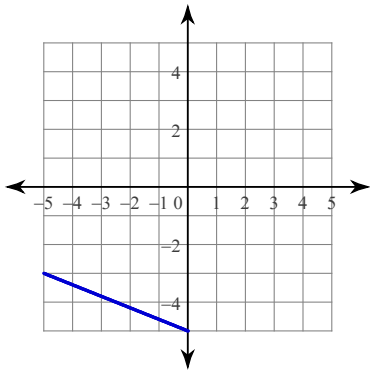
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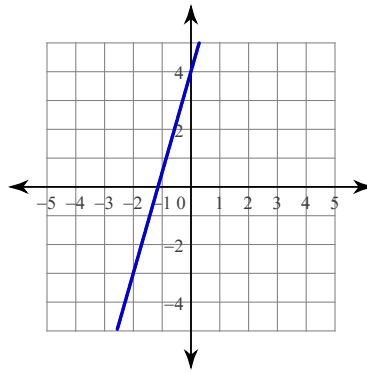
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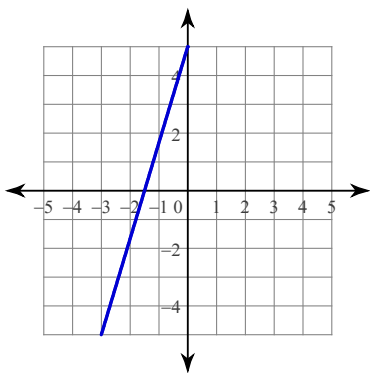
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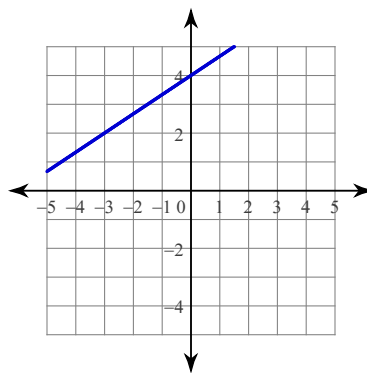
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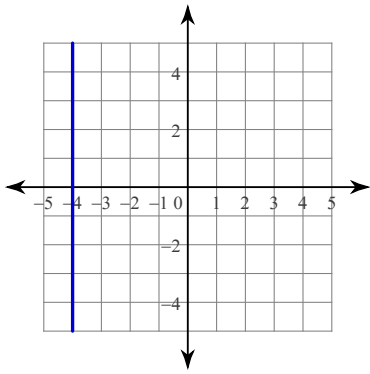
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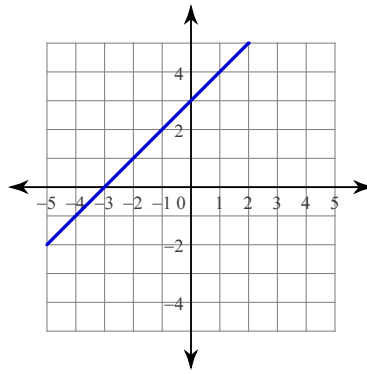
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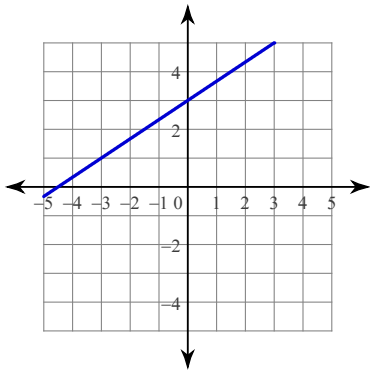
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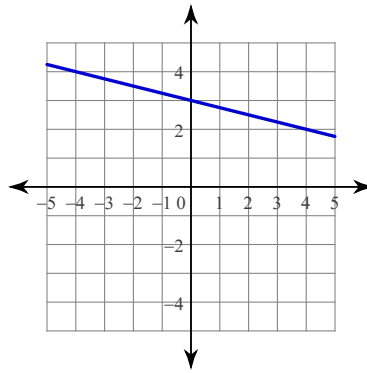
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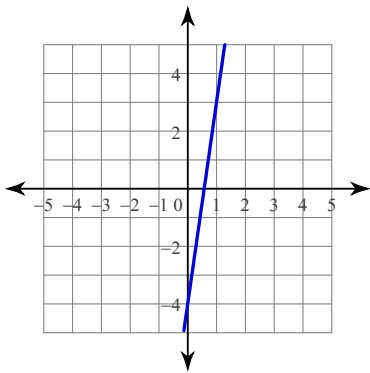
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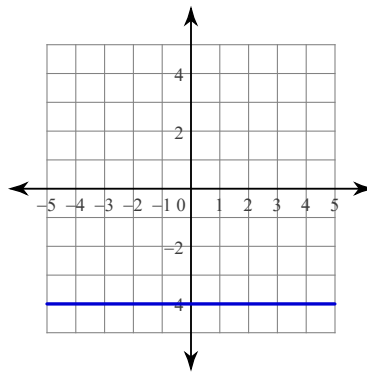
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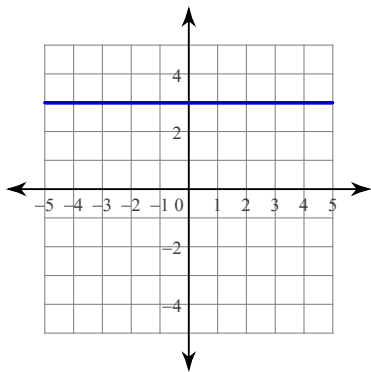
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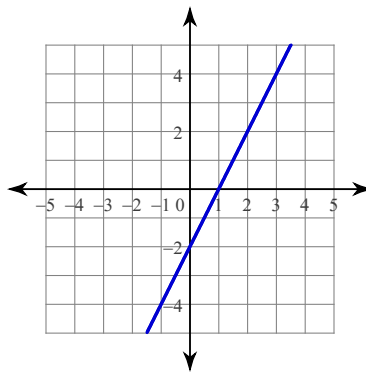
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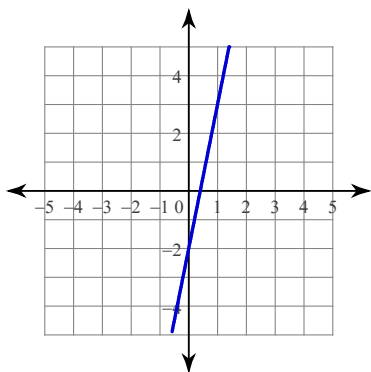
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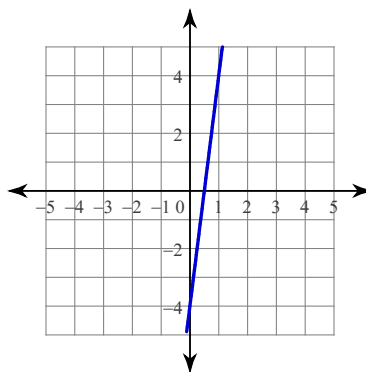
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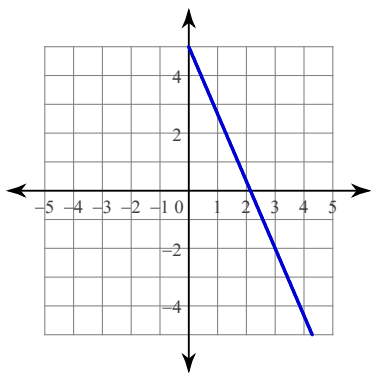
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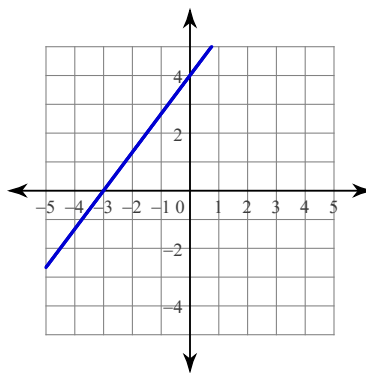
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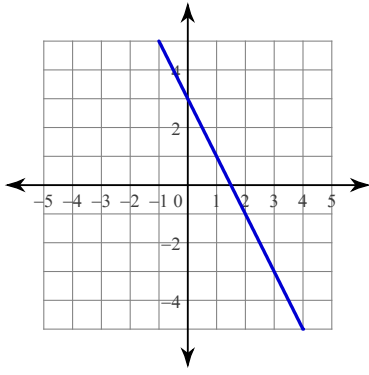
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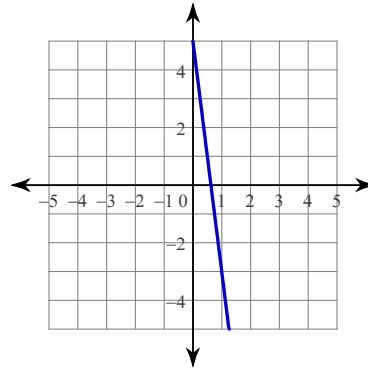
60)



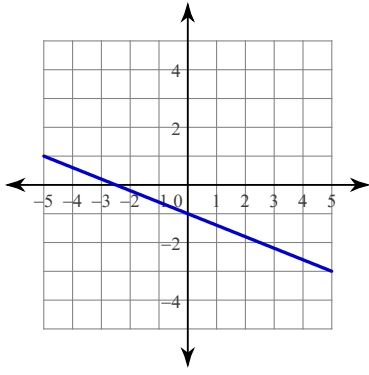
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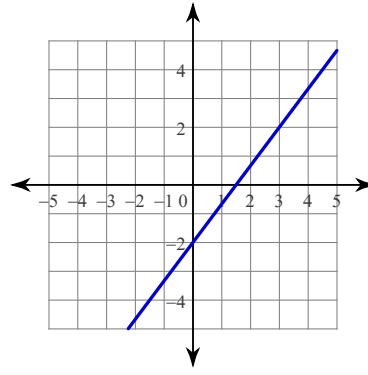
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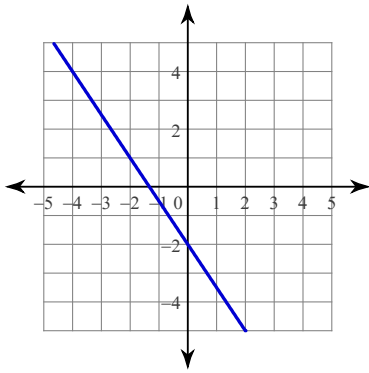
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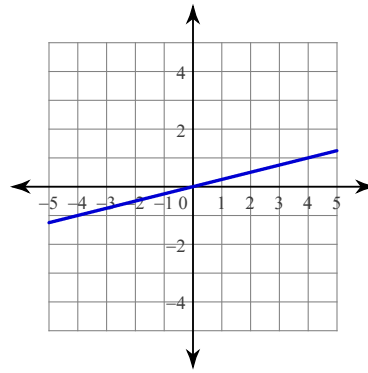
64)



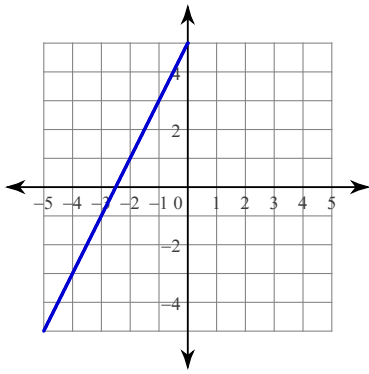
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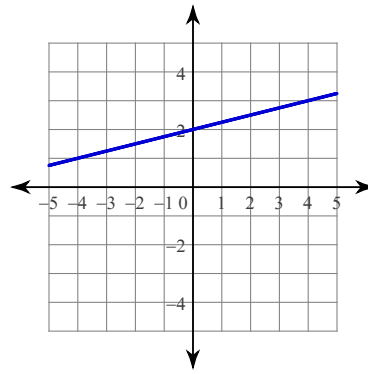
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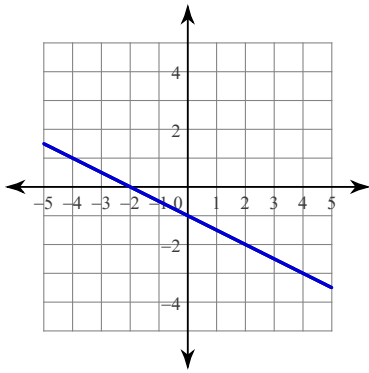
67)



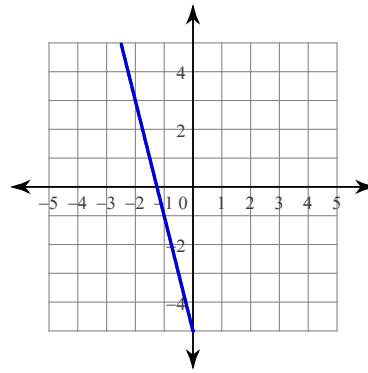
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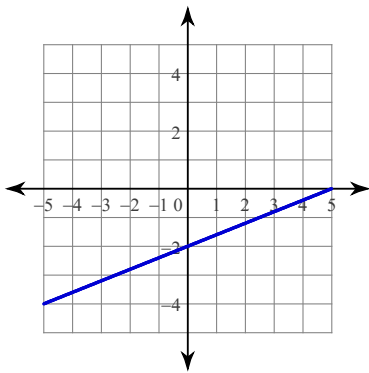
69)



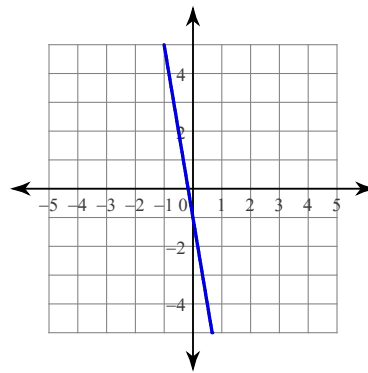
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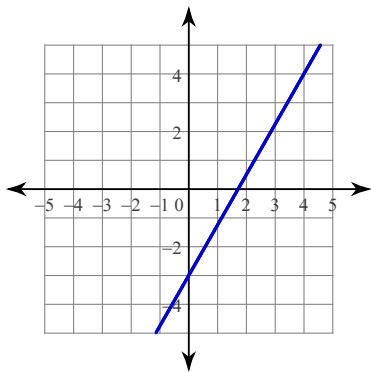
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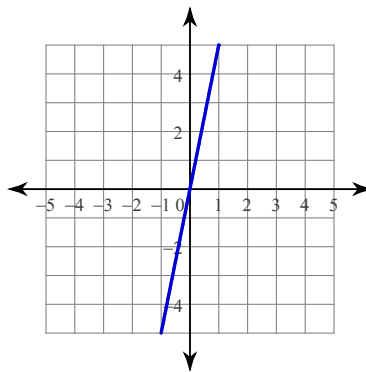
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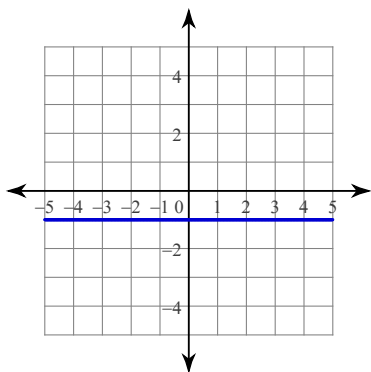
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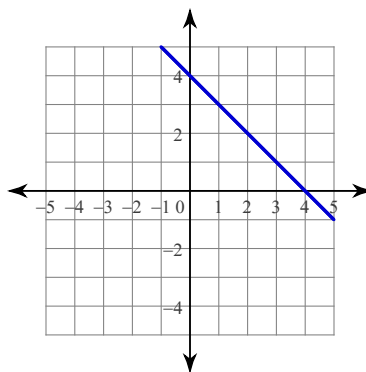
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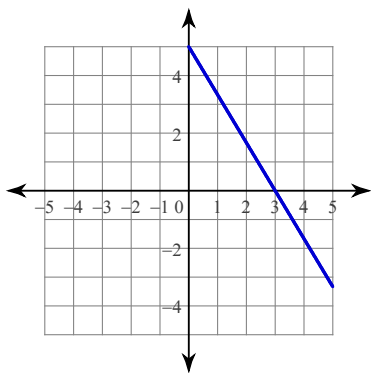
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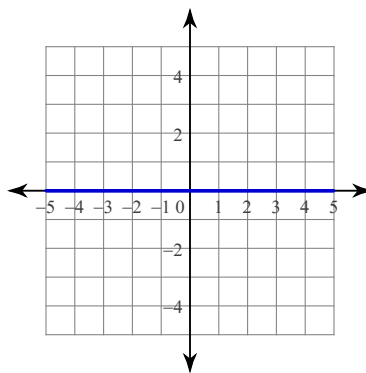
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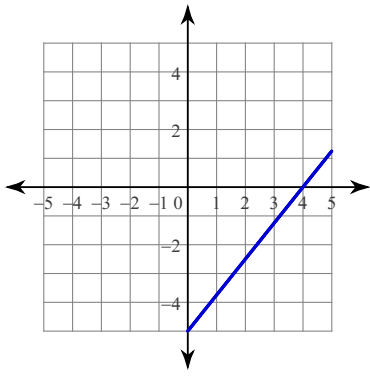
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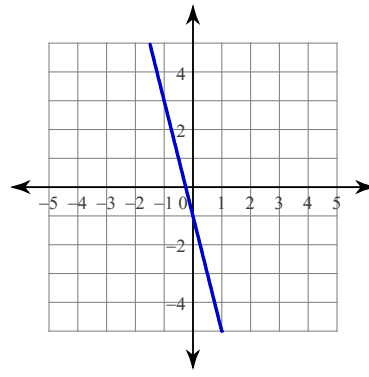
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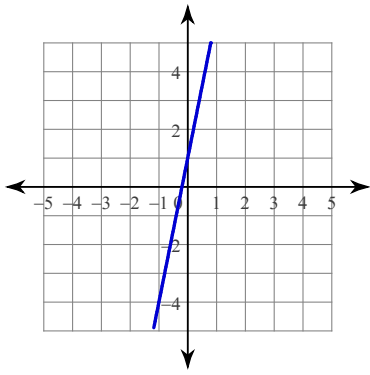
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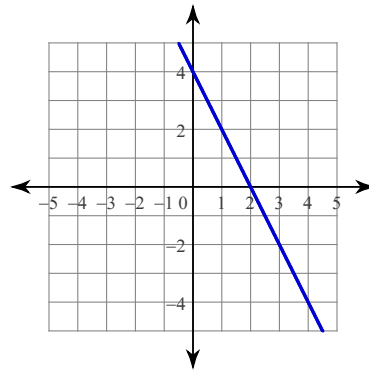
80)



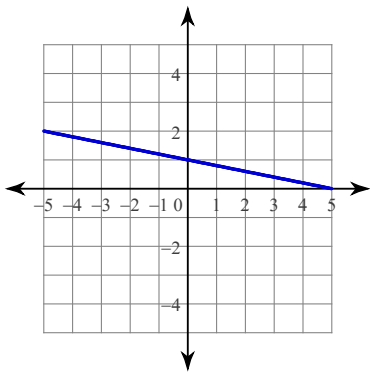
81)



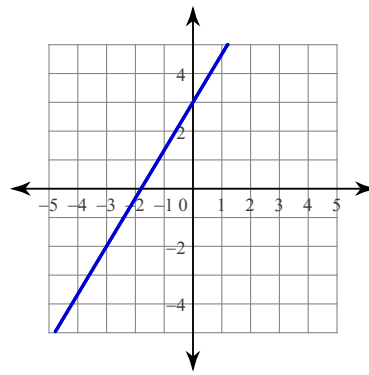
82)



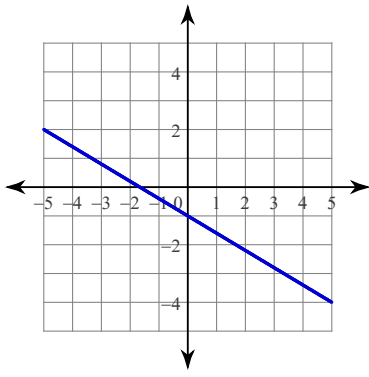
83)



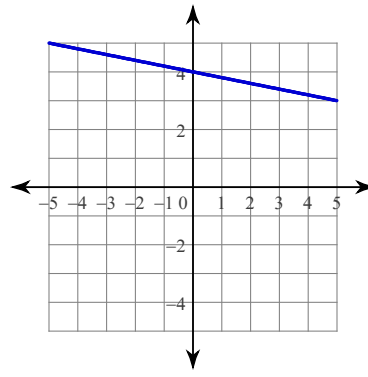
84)



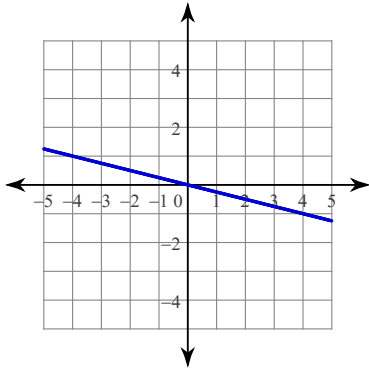
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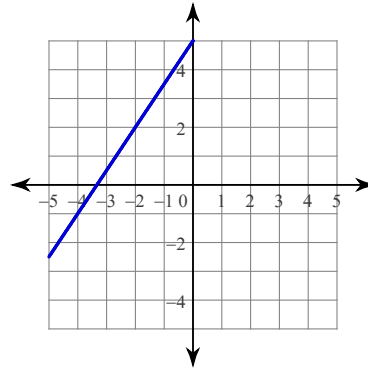
86)



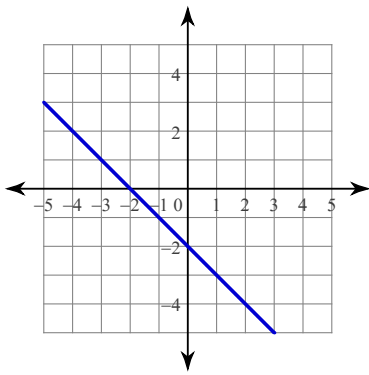
87)



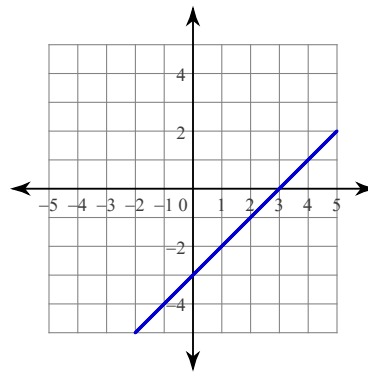
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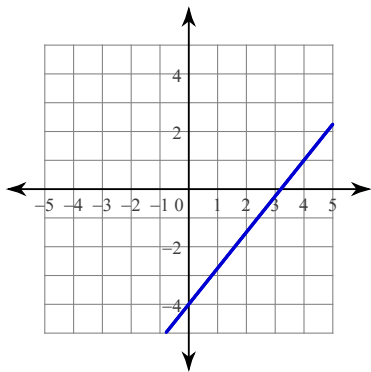
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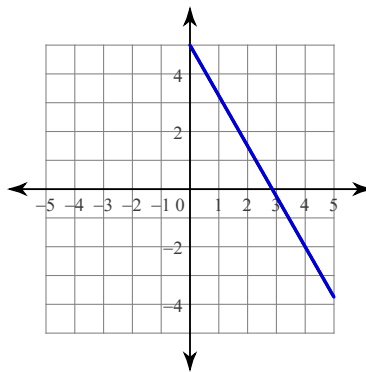
90)



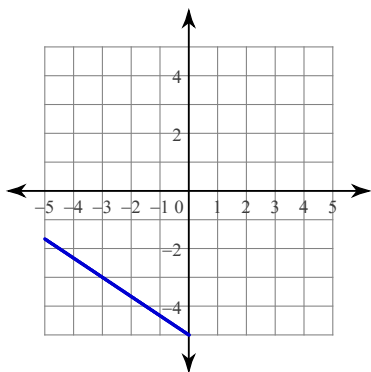
91)



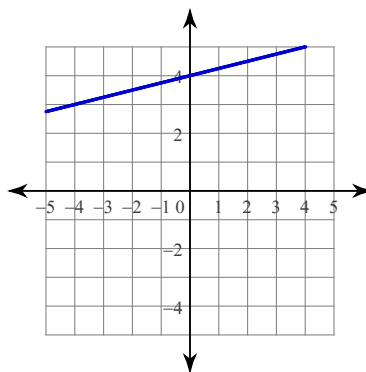
92)



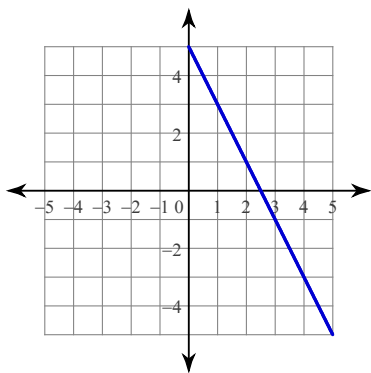
93)



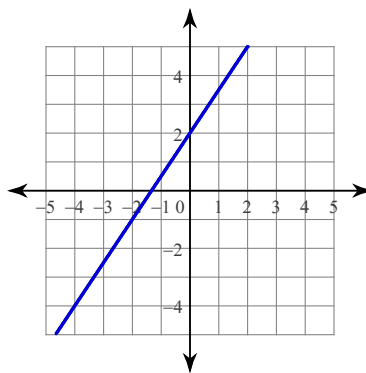
94)



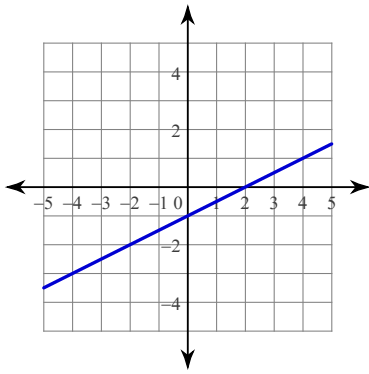
95)



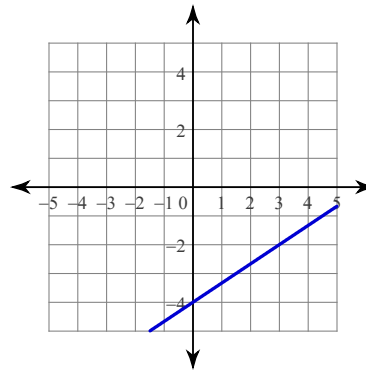
96)



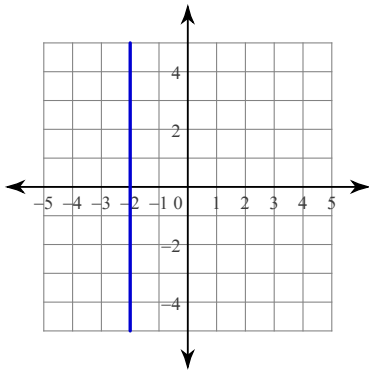
97)



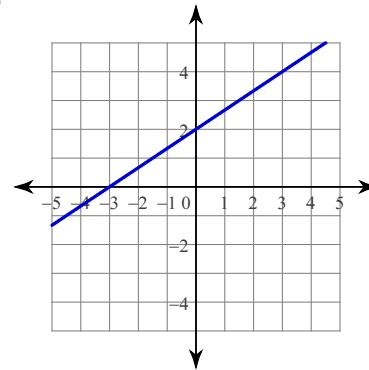
98)



99)



100)



Write down standard from slope-intercept form:

101) $y = 7x + 5$

102) $y = \frac{7}{6}x + 6$

103) $y = -2x + 5$

104) $y = -x + 2$

105) $y = 2x + 4$

106) $y = -\frac{7}{2}x - 1$

107) $y = 3x + 6$

108) $y = \frac{5}{6}x + 3$

$$109) y = \frac{3}{2}x - 3$$

$$110) y = -2$$

$$111) y = -x - 5$$

$$112) y = \frac{7}{5}x - 1$$

$$113) y = \frac{7}{4}x + 3$$

$$114) y = -5$$

$$115) y = 2x - 2$$

$$116) y = 0$$

$$117) y = \frac{3}{4}x + 2$$

$$118) y = -5x - 6$$

$$119) y = -\frac{1}{2}x$$

$$120) y = -\frac{5}{4}x + 1$$

$$121) y = 1$$

$$122) y = \frac{1}{3}x + 6$$

$$123) y = 3x - 6$$

$$124) y = \frac{5}{3}x + 5$$

$$125) y = \frac{1}{5}x - 5$$

$$126) y = -\frac{7}{6}x + 6$$

$$127) y = -\frac{4}{5}x + 1$$

$$128) y = 6x - 3$$

$$129) y = x - 3$$

$$130) y = -\frac{3}{2}x + 5$$

$$131) y = -\frac{1}{2}x + 4$$

$$132) x = 5$$

$$133) y = -x + 6$$

$$134) y = 2x + 2$$

$$135) y = x + 4$$

$$136) y = \frac{5}{6}x - 6$$

$$137) y = -x - 1$$

$$138) y = \frac{5}{6}x - 5$$

$$139) y = -\frac{1}{5}x + 2$$

$$140) y = \frac{1}{3}x + 4$$

$$141) y = -\frac{3}{2}x - 3$$

$$142) y = x + 2$$

$$143) y = -\frac{2}{3}x + 2$$

$$144) y = \frac{1}{2}x - 1$$

$$145) y = -\frac{1}{2}x - 4$$

$$146) y = -3x + 3$$

$$147) y = x - 6$$

$$148) x = 1$$

$$149) y = \frac{1}{2}x + 5$$

$$150) y = \frac{1}{4}x + 2$$

$$151) y = -\frac{3}{2}x + 3$$

$$152) y = -\frac{1}{2}x + 1$$

$$153) y = x + 5$$

$$154) y = -2x + 6$$

$$155) y = \frac{4}{5}x - 4$$

$$156) y = \frac{11}{5}x + 5$$

$$157) y = -\frac{11}{2}x + 5$$

$$158) y = -3x + 4$$

$$159) y = \frac{3}{2}x - 6$$

$$160) y = \frac{1}{2}x + 2$$

$$161) y = \frac{1}{6}x + 2$$

$$162) y = x + 3$$

$$163) y = 7x + 4$$

$$164) y = -\frac{1}{2}x - 3$$

$$165) y = \frac{3}{5}x - 5$$

$$166) y = -1$$

$$167) y = -\frac{7}{5}x + 5$$

$$168) y = -\frac{7}{2}x - 6$$

$$169) y = -\frac{1}{3}x - 4$$

$$170) y = -\frac{8}{3}x - 2$$

$$171) y = -7x - 6$$

$$172) y = -x - 3$$

$$173) y = -\frac{2}{5}x + 4$$

$$174) y = -\frac{7}{6}x + 3$$

$$175) y = x + 1$$

$$176) y = \frac{7}{5}x + 1$$

$$177) y = -3x - 6$$

$$178) y = -3x - 1$$

$$179) y = \frac{5}{2}x + 2$$

$$180) y = -\frac{5}{3}x + 6$$

$$181) y = \frac{3}{2}x - 1$$

$$182) y = 6$$

$$183) y = \frac{1}{3}x + 2$$

$$184) y = -5x - 5$$

$$185) y = \frac{4}{3}x - 5$$

$$186) y = -\frac{3}{5}x$$

$$187) y = -\frac{1}{4}x - 2$$

$$188) y = -7x + 6$$

$$189) y = -2x - 4$$

$$190) y = \frac{6}{5}x$$

$$191) y = -\frac{4}{3}x - 5$$

$$192) y = -\frac{5}{3}x - 5$$

$$193) y = -\frac{8}{3}x - 3$$

$$194) y = -\frac{5}{4}x - 4$$

$$195) y = -x - 2$$

$$196) y = x - 5$$

$$197) y = -4x - 2$$

$$198) y = -9x - 4$$

199) $y = -\frac{4}{3}x - 2$

200) $y = \frac{2}{5}x$

Write down standard from point-slope form:

201) $y + 4 = x + 5$

202) $y + 3 = -(x + 2)$

203) $y = -(x - 4)$

204) $y - 2 = 2(x + 1)$

205) $y + 3 = -(x - 4)$

206) $y + 2 = 4(x + 4)$

207) $y + 3 = \frac{7}{4}(x + 4)$

208) $y = \frac{2}{3}(x - 3)$

209) $y + 4 = 0$

210) $y + 5 = -\frac{10}{3}(x - 3)$

211) $y - 1 = -4(x + 1)$

212) $y + 4 = \frac{1}{2}(x + 4)$

213) $y - 4 = x + 1$

214) $y - 2 = -\frac{4}{3}(x + 1)$

215) $y + 2 = x - 2$

216) $y - 5 = 10(x - 4)$

$$217) y + 5 = \frac{7}{2}(x + 2)$$

$$218) y + 5 = \frac{6}{7}(x + 3)$$

$$219) y - 1 = -6(x + 1)$$

$$220) y - 4 = -\frac{5}{2}(x - 3)$$

$$221) y + 2 = \frac{2}{3}(x - 3)$$

$$222) y + 4 = \frac{5}{2}(x + 2)$$

$$223) 0 = x - 3$$

$$224) y + 5 = -\frac{3}{5}(x - 5)$$

$$225) y + 2 = -\frac{2}{3}(x - 3)$$

$$226) y + 4 = 8(x + 1)$$

$$227) y - 2 = -(x + 2)$$

$$228) y + 3 = -\frac{1}{3}(x - 3)$$

$$229) y - 2 = \frac{2}{3}(x - 3)$$

$$230) y - 3 = -\frac{2}{5}(x + 5)$$

$$231) y - 4 = -(x + 2)$$

$$232) y - 4 = \frac{1}{4}(x + 4)$$

$$233) y - 1 = \frac{4}{3}(x - 3)$$

$$234) y + 1 = -(x + 3)$$

$$235) y + 4 = -\frac{8}{3}x$$

$$236) y + 5 = -\frac{6}{5}(x - 5)$$

$$237) y - 3 = -\frac{2}{3}(x - 3)$$

$$238) y + 3 = \frac{1}{4}(x - 4)$$

$$239) y + 5 = \frac{8}{3}(x - 1)$$

$$240) y + 1 = -\frac{2}{5}(x + 5)$$

$$241) y - 4 = \frac{7}{4}(x - 5)$$

$$242) y + 2 = -3x$$

$$243) y + 2 = \frac{3}{5}(x + 5)$$

$$244) y = 0$$

$$245) y - 1 = -\frac{1}{4}(x - 4)$$

$$246) y + 3 = -\frac{3}{5}(x - 5)$$

$$247) y - 5 = -\frac{9}{2}(x + 2)$$

$$248) y - 5 = -\frac{1}{4}(x + 4)$$

$$249) y + 3 = \frac{4}{5}(x + 5)$$

$$250) y - 4 = -7x$$

$$251) y + 4 = -4(x - 2)$$

$$252) y + 5 = -3(x - 3)$$

$$253) y - 2 = x - 2$$

$$254) y - 2 = \frac{2}{5}x$$

$$255) y = -\frac{4}{5}(x - 3)$$

$$256) y + 4 = -2(x - 3)$$

$$257) y - 5 = -3(x + 1)$$

$$258) y + 5 = x + 2$$

$$259) y + 3 = x + 2$$

$$260) y - 1 = \frac{1}{3}(x - 3)$$

$$261) y - 5 = \frac{3}{2}(x - 4)$$

$$262) y + 2 = 3(x + 2)$$

$$263) 0 = x + 1$$

$$264) y + 4 = -\frac{1}{2}(x - 5)$$

$$265) y + 1 = -\frac{1}{5}(x + 5)$$

$$266) y - 1 = -\frac{3}{2}(x + 2)$$

$$267) y + 5 = 6x$$

$$268) y + 3 = 2(x - 1)$$

$$269) y + 5 = 0$$

$$270) y - 2 = 3(x - 1)$$

$$271) 0 = x + 2$$

$$272) y + 4 = -(x - 3)$$

$$273) y + 1 = -4(x - 1)$$

$$274) y - 5 = -\frac{6}{5}(x + 5)$$

$$275) y - 3 = -\frac{6}{5}(x + 5)$$

$$276) y = x + 2$$

$$277) y - 3 = -(x - 2)$$

$$278) y = \frac{4}{3}(x + 2)$$

$$279) y + 3 = 8x$$

$$280) y + 3 = -\frac{1}{2}x$$

$$281) y - 4 = 4(x - 1)$$

$$282) y - 5 = -\frac{7}{5}(x + 5)$$

$$283) y - 3 = 4(x - 1)$$

$$284) y + 1 = -4(x - 2)$$

$$285) y - 1 = 0$$

$$286) y = 4(x + 4)$$

$$287) y + 4 = -\frac{9}{2}(x - 2)$$

$$288) y = -\frac{1}{5}(x - 5)$$

$$289) y = -\frac{1}{4}(x + 4)$$

$$290) y + 2 = -\frac{3}{7}(x - 4)$$

$$291) y + 2 = \frac{3}{2}(x + 2)$$

$$292) y + 3 = \frac{7}{3}x$$

$$293) y - 2 = \frac{1}{4}(x + 4)$$

$$294) y + 3 = \frac{1}{2}(x - 4)$$

$$295) y + 3 = -\frac{7}{2}(x - 2)$$

$$296) y = \frac{3}{4}(x - 3)$$

$$297) y + 4 = -2(x - 2)$$

$$298) y - 3 = \frac{3}{5}(x - 5)$$

$$299) y + 3 = -\frac{8}{3}(x - 3)$$

$$300) y - 4 = \frac{1}{3}x$$

Write down standard from given form:

$$301) 0 = -27x - 3y - 12$$

$$302) 3 + x = y$$

$$303) 3x - 4 = -2y$$

$$304) -x - 9 = -3y$$

$$305) 0 = -2x + 2y + 4$$

$$306) 6 = -2x - 2y$$

$$307) -x - y = 0$$

$$308) 0 = -6 - 3y - 7x$$

$$309) -2y = 5x$$

$$310) 3x - 2 = y$$

$$311) 10 = -4x + 2y$$

$$312) 0 = 5 - 4x + 5y$$

$$313) 0 = -5x + 2y$$

$$314) 5 - y + x = 0$$

$$315) 10 = 5y - 6x$$

$$316) 0 = 5x - 10 - 2y$$

$$317) 0 = y - 1 - x$$

$$318) 0 = -3x - 3$$

$$319) y = 2 - x$$

$$320) -x = -2$$

$$321) 0 = -3 - 6x + y$$

$$322) y - 2 = -6x$$

$$323) -4 = 2y + 2x$$

$$324) 2y = 7x + 4$$

$$325) x + 4 = 0$$

$$326) 2y - 4x = -2$$

$$327) -20 - 10y = -4x$$

$$328) -x - y = -4$$

$$329) y = -2x - 3$$

$$330) 0 = 10 + 5x + 2y$$

$$331) -5 + x = 0$$

$$332) x = -2y - 8$$

$$333) 3y = -9$$

$$334) -11 - 2y = -3x$$

$$335) 3x + 23 = 7y$$

$$336) 6 = 2y - x$$

$$337) 0 = x + 2$$

$$338) -3x = -12 - 6y$$

$$339) 3y - 4x + 3 = 0$$

$$340) -\frac{25}{4} = -x + \frac{5}{4}y$$

$$341) -y - 2 = 6x$$

$$342) 4 = -y - \frac{6}{5}x$$

$$343) 3y + 12x = -9$$

$$344) x + \frac{5}{2} + \frac{1}{2}y = 0$$

$$345) -5 = y$$

$$346) 3x + 8 + 4y = 0$$

$$347) -\frac{2}{7}y = -x - \frac{10}{7}$$

$$348) -2y = 2 + x$$

$$349) 3x = 4 + 4y$$

$$350) 0 = -1 + \frac{1}{4}y$$

$$351) 5x = 4 + 2y$$

$$352) -9y + 15x = -60$$

$$353) x = -y + 3$$

$$354) y - x = 4$$

$$355) 0 = 3y + 5x$$

$$356) 0 = 2x - 5y$$

$$357) -y = -x + 1$$

$$358) -12 = -3x + 4y$$

$$359) 0 = -y$$

$$360) -5x - 4y = -12$$

$$361) 0 = 4 - 7x + 2y$$

$$362) 15x = 9y$$

$$363) -1 - \frac{1}{2}x = -y$$

$$364) x = 5 - 5y$$

$$365) 5y - 10 = -x$$

$$366) 10y = 20 - 6x$$

$$367) -7x + 20 - 5y = 0$$

$$368) 0 = 2 + y + 2x$$

$$369) x = -\frac{5}{6}y + \frac{5}{3}$$

$$370) -31 + 2x = -7y$$

$$371) y = 2x + 3$$

$$372) -1 - \frac{5}{13}x = \frac{1}{13}y$$

$$373) -\frac{1}{5}y = -1 + \frac{2}{5}x$$

$$374) 9y = -18 + 6x$$

$$375) -x - 4y = -9$$

$$376) x = \frac{1}{3}y - \frac{1}{3}$$

$$377) -2 - y = -4x$$

$$378) 11 - y = 4x$$

$$379) 3x = 3$$

$$380) -20 + 4y = -x$$

$$381) 0 = -7x - 5 - y$$

$$382) -1 = -\frac{1}{5}y - \frac{8}{5}x$$

$$383) 10 + 10x = 2y$$

$$384) -2y = -10 - 8x$$

$$385) 0 = x + \frac{3}{2} + \frac{3}{8}y$$

$$386) -3y = x + 3$$

$$387) 2x = -5y - 10$$

$$388) y - 2x - 1 = 0$$

$$389) x = 7 + 3y$$

$$390) -y = 5 + \frac{1}{3}x$$

$$391) 0 = 3x + 26 + 7y$$

392) $y - \frac{9}{2} = -\frac{1}{2}x$

393) $-2 + y = x$

394) $y + \frac{1}{5}x = 0$

395) $-3x + 2y = 10$

396) $5 + 2x = 5y$

397) $-10 + 2y = 0$

398) $29 = -x + 8y$

399) $-x + 5y = -5$

400) $5 = -y + 6x$

Write down standard from given point and slope:

401) through: $(-4, -2)$, slope = $\frac{1}{4}$

402) through: $(5, 1)$, slope = $\frac{3}{5}$

403) through: $(0, 2)$, slope = -1

404) through: $(3, -5)$, slope = $-\frac{5}{4}$

405) through: $(-2, 2)$, slope = -1

406) through: $(4, 5)$, slope = $\frac{1}{2}$

407) through: $(3, -1)$, slope = 1

408) through: $(-1, -4)$, slope = 8

409) through: $(4, -2)$, slope = 1

410) through: $(-1, -5)$, slope = $\frac{4}{3}$

411) through: $(2, -3)$, slope = $-\frac{5}{7}$

412) through: $(-3, 4)$, slope = $-\frac{2}{3}$

413) through: $(-5, -2)$, slope = $-\frac{3}{5}$

414) through: $(2, -4)$, slope = -1

415) through: $(3, 0)$, slope = 0

416) through: $(-3, -2)$, slope = $\frac{7}{2}$

417) through: $(-1, -5)$, slope = 9

418) through: $(2, -1)$, slope = $-\frac{1}{2}$

419) through: $(4, -4)$, slope = -2

420) through: $(4, -5)$, slope = $-\frac{7}{6}$

421) through: $(-2, 5)$, slope = 0

422) through: $(3, -5)$, slope = $-\frac{10}{3}$

423) through: $(5, 0)$, slope = $\frac{4}{5}$

424) through: $(1, -2)$, slope = -4

425) through: $(5, -5)$, slope = undefined

426) through: $(-3, -5)$, slope = 1

427) through: $(-3, 1)$, slope = $-\frac{2}{3}$

428) through: $(-5, 2)$, slope = $\frac{1}{5}$

429) through: $(-1, 0)$, slope = -4

430) through: $(-4, 3)$, slope = $-\frac{1}{4}$

431) through: $(-5, -4)$, slope = $\frac{6}{5}$

432) through: $(1, -3)$, slope = -7

433) through: $(3, 4)$, slope = $\frac{2}{3}$

434) through: $(5, -1)$, slope = $-\frac{3}{8}$

435) through: $(3, -5)$, slope = -3

436) through: $(-5, -5)$, slope = 2

437) through: $(5, -3)$, slope = $-\frac{7}{5}$

438) through: $(-4, -3)$, slope = $-\frac{1}{4}$

439) through: $(-1, -2)$, slope = $-\frac{1}{4}$

440) through: $(-4, 4)$, slope = $-\frac{3}{2}$

441) through: $(2, 1)$, slope = -1

442) through: $(-5, 2)$, slope = $-\frac{4}{5}$

443) through: $(1, -1)$, slope = 0

444) through: $(-5, -1)$, slope = $\frac{3}{5}$

445) through: $(1, 0)$, slope = 2

446) through: $(1, -1)$, slope = -5

447) through: $(-1, -3)$, slope = 4

448) through: $(-3, -3)$, slope = $\frac{4}{3}$

449) through: $(2, -2)$, slope = $\frac{1}{2}$

450) through: $(-5, -4)$, slope = $\frac{8}{5}$

451) through: $(2, -2)$, slope = $-\frac{1}{2}$

452) through: $(1, -3)$, slope = $\frac{1}{6}$

453) through: $(2, -3)$, slope = 1

454) through: $(1, -4)$, slope = -8

455) through: $(-2, 1)$, slope = $\frac{3}{2}$

456) through: $(2, -4)$, slope = $-\frac{5}{2}$

457) through: $(1, 2)$, slope = 4

458) through: $(2, -3)$, slope = $-\frac{3}{2}$

459) through: $(3, 1)$, slope = undefined

460) through: $(5, 4)$, slope = $\frac{8}{5}$

461) through: $(0, -4)$, slope = $-\frac{5}{2}$

462) through: $(-4, -2)$, slope = $-\frac{1}{4}$

463) through: $(-3, 1)$, slope = $-\frac{4}{3}$

464) through: $(-2, 0)$, slope = $\frac{3}{2}$

465) through: $(-4, 4)$, slope = $-\frac{1}{8}$

466) through: $(-3, -4)$, slope = 3

467) through: $(2, 4)$, slope = $\frac{7}{2}$

468) through: $(3, -4)$, slope = $-\frac{8}{3}$

469) through: $(3, -1)$, slope = $-\frac{5}{3}$

470) through: $(1, 3)$, slope = 1

471) through: $(-2, 4)$, slope = $-\frac{3}{2}$

472) through: $(2, 4)$, slope = $\frac{9}{2}$

473) through: $(4, 5)$, slope = $\frac{10}{3}$

474) through: $(1, -4)$, slope = undefined

475) through: $(4, 2)$, slope = $\frac{3}{2}$

476) through: $(-5, -5)$, slope = $\frac{1}{5}$

477) through: $(-1, -4)$, slope = $\frac{7}{6}$

478) through: $(1, 1)$, slope = 3

479) through: $(-1, -1)$, slope = 3

480) through: $(4, -1)$, slope = $\frac{1}{4}$

481) through: $(5, 0)$, slope = -1

482) through: $(4, 5)$, slope = $\frac{9}{4}$

483) through: $(1, 4)$, slope = 8

484) through: $(-3, 2)$, slope = $-\frac{2}{3}$

485) through: $(-4, -4)$, slope = $\frac{1}{2}$

486) through: $(3, 3)$, slope = $\frac{8}{3}$

487) through: $(1, 1)$, slope = $-\frac{2}{3}$

488) through: $(-1, 4)$, slope = -9

489) through: $(-5, 3)$, slope = -2

490) through: $(-5, -1)$, slope = $\frac{1}{5}$

491) through: $(-1, -2)$, slope = 4

492) through: $(5, -5)$, slope = $-\frac{1}{4}$

493) through: $(3, 5)$, slope = $\frac{7}{3}$

494) through: $(-5, -5)$, slope = undefined

495) through: $(-1, -2)$, slope = -3

496) through: $(-5, 2)$, slope = $\frac{2}{5}$

497) through: $(-4, 2)$, slope = $-\frac{7}{4}$

498) through: $(-3, 0)$, slope = $\frac{1}{3}$

499) through: $(1, -4)$, slope = 9

500) through: $(-2, -4)$, slope = $\frac{9}{7}$

Write down standard from given points:

501) through: $(-4, -2)$ and $(-1, 1)$

502) through: $(-2, 4)$ and $(-5, -3)$

503) through: $(0, 0)$ and $(-5, -4)$

504) through: $(-1, -2)$ and $(0, -3)$

505) through: $(0, -4)$ and $(-2, -4)$

506) through: $(5, -4)$ and $(-4, -5)$

507) through: $(-1, 3)$ and $(0, -3)$

508) through: $(-4, -1)$ and $(0, 5)$

509) through: $(0, -1)$ and $(2, -4)$

510) through: $(0, -3)$ and $(1, 3)$

511) through: $(-1, -1)$ and $(0, 2)$

512) through: $(-1, -2)$ and $(5, 3)$

513) through: $(-1, -1)$ and $(-1, 0)$

514) through: $(-5, 3)$ and $(0, -1)$

515) through: $(-3, 5)$ and $(-1, -3)$

516) through: $(-5, -2)$ and $(3, 4)$

517) through: $(3, 3)$ and $(-1, 1)$

518) through: $(-3, 4)$ and $(4, -5)$

- 519) through: $(1, -4)$ and $(0, 5)$
- 521) through: $(0, -2)$ and $(-4, -1)$
- 523) through: $(1, 5)$ and $(4, -5)$
- 525) through: $(1, 5)$ and $(0, -5)$
- 527) through: $(-4, 5)$ and $(-2, 5)$
- 529) through: $(-5, -3)$ and $(-2, 1)$
- 531) through: $(1, 5)$ and $(-3, 2)$
- 533) through: $(-2, 4)$ and $(-4, 3)$
- 535) through: $(3, 0)$ and $(0, 2)$
- 537) through: $(-3, 5)$ and $(3, -4)$
- 539) through: $(1, -4)$ and $(-1, -1)$
- 541) through: $(0, -5)$ and $(-5, -4)$
- 543) through: $(2, -3)$ and $(-5, -2)$
- 545) through: $(-3, -1)$ and $(4, -3)$
- 547) through: $(5, -1)$ and $(-5, -2)$
- 549) through: $(-2, -2)$ and $(-5, 1)$
- 551) through: $(-2, 0)$ and $(1, -5)$
- 553) through: $(-1, -2)$ and $(2, 5)$
- 520) through: $(5, 3)$ and $(-1, 1)$
- 522) through: $(1, 0)$ and $(0, -2)$
- 524) through: $(3, -5)$ and $(-1, 3)$
- 526) through: $(4, -2)$ and $(1, 5)$
- 528) through: $(2, -4)$ and $(-2, 4)$
- 530) through: $(-3, -2)$ and $(0, 2)$
- 532) through: $(-1, -1)$ and $(-3, -4)$
- 534) through: $(5, 2)$ and $(-1, -5)$
- 536) through: $(0, 4)$ and $(4, -3)$
- 538) through: $(-3, 5)$ and $(3, 1)$
- 540) through: $(-3, 3)$ and $(-3, 5)$
- 542) through: $(2, 2)$ and $(-2, -4)$
- 544) through: $(-4, 0)$ and $(-5, 5)$
- 546) through: $(3, 1)$ and $(-5, 1)$
- 548) through: $(-5, -3)$ and $(-3, -2)$
- 550) through: $(-5, 2)$ and $(3, -4)$
- 552) through: $(-1, 5)$ and $(3, -5)$
- 554) through: $(3, 3)$ and $(4, -1)$

555) through: $(-3, 3)$ and $(0, -4)$

556) through: $(5, -5)$ and $(2, -2)$

557) through: $(0, -5)$ and $(-2, 2)$

558) through: $(-2, -1)$ and $(2, -1)$

559) through: $(-3, 1)$ and $(2, -1)$

560) through: $(0, 3)$ and $(-3, -4)$

561) through: $(1, -2)$ and $(0, -4)$

562) through: $(0, 4)$ and $(3, 0)$

563) through: $(4, -4)$ and $(0, 1)$

564) through: $(-4, 3)$ and $(-1, -1)$

565) through: $(-1, 0)$ and $(4, -5)$

566) through: $(-4, -2)$ and $(4, 1)$

567) through: $(0, 0)$ and $(5, 5)$

568) through: $(0, -2)$ and $(3, -4)$

569) through: $(1, 5)$ and $(0, 1)$

570) through: $(1, 0)$ and $(0, -3)$

571) through: $(4, 0)$ and $(4, 1)$

572) through: $(0, 0)$ and $(-5, 4)$

573) through: $(5, -2)$ and $(0, -4)$

574) through: $(4, 3)$ and $(-4, -2)$

575) through: $(4, 5)$ and $(-2, 0)$

576) through: $(-5, 4)$ and $(-1, -4)$

577) through: $(4, -1)$ and $(-3, -5)$

578) through: $(-4, -3)$ and $(3, 2)$

579) through: $(-3, 0)$ and $(0, -1)$

580) through: $(-3, -4)$ and $(1, -3)$

581) through: $(-1, 4)$ and $(-2, 4)$

582) through: $(-5, -2)$ and $(5, 1)$

583) through: $(5, 1)$ and $(3, -1)$

584) through: $(1, -1)$ and $(1, -2)$

585) through: $(0, 5)$ and $(-5, -5)$

586) through: $(3, 0)$ and $(1, 1)$

587) through: $(1, -5)$ and $(5, 2)$

588) through: $(4, 5)$ and $(3, 3)$

589) through: $(-1, 3)$ and $(4, -2)$

590) through: $(0, -2)$ and $(-2, 2)$

591) through: $(-2, 1)$ and $(-2, 2)$

592) through: $(-2, 3)$ and $(-5, 4)$

593) through: $(-5, 3)$ and $(0, 1)$

594) through: $(3, -2)$ and $(0, -4)$

595) through: $(3, 2)$ and $(4, 1)$

596) through: $(5, 3)$ and $(-5, 1)$

597) through: $(3, 2)$ and $(5, 2)$

598) through: $(-2, -3)$ and $(3, 4)$

599) through: $(0, 0)$ and $(-3, -5)$

600) through: $(2, -3)$ and $(0, -2)$

Write down standard form from given point and parallel linear functions:

601) through: $(3, -4)$, parallel to $x = 0$

602) through: $(-4, 4)$, parallel to $y = -\frac{3}{2}x + 3$

603) through: $(3, -5)$, parallel to $y = -\frac{5}{3}x - 1$

604) through: $(4, -2)$, parallel to $y = -4$

605) through: $(2, 0)$, parallel to $y = \frac{1}{2}x + 1$

606) through: $(-1, 2)$, parallel to $y = 2x$

607) through: $(1, 4)$, parallel to $y = 2x + 3$

608) through: $(4, 1)$, parallel to $y = \frac{3}{2}x + 2$

609) through: $(-4, 0)$, parallel to $y = -\frac{3}{8}x$

610) through: $(2, -5)$, parallel to $y = -\frac{9}{2}x + 5$

611) through: $(-5, -1)$, parallel to $y = \frac{1}{5}x - 1$

612) through: $(-3, 0)$, parallel to $y = -\frac{1}{3}x - 4$

613) through: $(1, 2)$, parallel to $y = 7x - 1$

614) through: $(0, -4)$, parallel to $y = \frac{4}{5}x - 5$

615) through: $(-4, 0)$, parallel to $y = -x - 1$

616) through: $(-4, -2)$, parallel to $x = 0$

617) through: $(1, 0)$, parallel to $y = -4x - 5$

618) through: $(3, 2)$, parallel to $y = \frac{4}{3}x - 1$

619) through: $(-4, -5)$, parallel to $y = \frac{4}{3}x + 4$

620) through: $(-5, 2)$, parallel to $y = -\frac{7}{5}x + 2$

621) through: $(5, 5)$, parallel to $y = \frac{3}{5}x - 1$

622) through: $(2, 0)$, parallel to $y = -\frac{1}{2}x + 4$

623) through: $(-5, -1)$, parallel to $y = \frac{4}{5}x - 1$

624) through: $(0, 2)$, parallel to $y = 4$

625) through: $(1, -5)$, parallel to $y = -4x - 5$

626) through: $(3, 2)$, parallel to $y = \frac{1}{3}x + 2$

627) through: $(-2, 0)$, parallel to $y = -\frac{3}{2}x - 2$

628) through: $(4, 5)$, parallel to $y = \frac{1}{4}x$

629) through: $(1, 2)$, parallel to $y = \frac{7}{4}x - 1$

630) through: $(-5, 5)$, parallel to $y = -\frac{7}{5}x - 3$

631) through: $(-3, -1)$, parallel to $x = 0$

632) through: $(5, 4)$, parallel to $y = \frac{8}{5}x + 1$

633) through: $(-1, 2)$, parallel to $y = -\frac{1}{2}x + 2$

634) through: $(-4, 2)$, parallel to $y = \frac{3}{4}x - 5$

635) through: $(-3, -5)$, parallel to $y = 3$

636) through: $(-2, 2)$, parallel to $y = -x + 1$

637) through: $(-5, -1)$, parallel to $y = -\frac{3}{5}x$

638) through: $(-1, 5)$, parallel to $y = -4x$

639) through: $(-2, -4)$, parallel to $y = \frac{3}{2}x - 3$

640) through: $(2, 2)$, parallel to $y = 4x - 3$

641) through: $(3, -3)$, parallel to $y = -8x - 2$

642) through: $(-3, 5)$, parallel to $y = -\frac{8}{3}x - 2$

643) through: $(-3, 2)$, parallel to $y = -\frac{2}{3}x + 2$

644) through: $(-1, 3)$, parallel to $y = -8x + 5$

645) through: $(-1, -4)$, parallel to $y = -\frac{7}{3}x - 1$

646) through: $(4, 0)$, parallel to $y = -x - 3$

647) through: $(-5, 5)$, parallel to $y = -\frac{2}{3}x + 5$

648) through: $(2, 3)$, parallel to $y = 1$

649) through: $(-5, 4)$, parallel to $y = -\frac{2}{5}x + 5$

650) through: $(3, 2)$, parallel to $y = \frac{2}{3}x - 3$

651) through: $(-2, 3)$, parallel to $y = -\frac{7}{2}x$

652) through: $(1, 3)$, parallel to $y = x - 1$

653) through: $(-4, -3)$, parallel to $y = \frac{7}{3}x + 2$

654) through: $(5, -3)$, parallel to $y = -2x - 3$

655) through: $(-4, 4)$, parallel to $y = -\frac{5}{4}x$

656) through: $(-2, 4)$, parallel to $y = -\frac{1}{2}x - 5$

657) through: $(-4, -2)$, parallel to $y = \frac{3}{4}x - 3$

658) through: $(-5, -4)$, parallel to $y = \frac{6}{5}x$

659) through: $(4, -2)$, parallel to $y = \frac{1}{4}x$

660) through: $(4, 5)$, parallel to $y = \frac{7}{4}x - 1$

661) through: $(-1, -1)$, parallel to $y = 5x + 1$

662) through: $(1, 0)$, parallel to $y = -5x + 3$

663) through: $(5, -2)$, parallel to $y = -\frac{7}{5}x + 3$

664) through: $(-1, -5)$, parallel to $y = 4x - 4$

665) through: $(-2, 5)$, parallel to $y = -\frac{5}{7}x + 1$

666) through: $(-1, 2)$, parallel to $y = -\frac{7}{5}x - 2$

667) through: $(-5, -2)$, parallel to $y = \frac{7}{4}x + 3$

668) through: $(-3, 2)$, parallel to $y = -2x - 2$

669) through: $(-2, -4)$, parallel to $y = \frac{1}{2}x + 1$

670) through: $(3, -1)$, parallel to $y = -\frac{4}{3}x + 4$

671) through: $(4, -3)$, parallel to $y = -\frac{3}{4}x - 5$

673) through: $(-1, 2)$, parallel to $y = -x + 2$

675) through: $(1, -2)$, parallel to $y = -2x - 5$

677) through: $(0, -1)$, parallel to $y = 6x$

679) through: $(-3, -1)$, parallel to $y = \frac{2}{3}x - 5$

681) through: $(-2, -4)$, parallel to $y = \frac{5}{2}x - 4$

683) through: $(4, -5)$, parallel to $y = -\frac{7}{2}x + 4$

685) through: $(-1, 2)$, parallel to $y = 7x$

687) through: $(-2, -3)$, parallel to $y = x + 2$

689) through: $(-1, -1)$, parallel to $y = 6x + 2$

691) through: $(-3, 1)$, parallel to $y = -\frac{1}{3}x - 5$

693) through: $(-5, 5)$, parallel to $y = -\frac{8}{5}x$

695) through: $(-2, 1)$, parallel to $y = -3x + 1$

697) through: $(-2, -1)$, parallel to $y = 2x - 1$

672) through: $(1, -1)$, parallel to $y = -4x$

674) through: $(-1, 3)$, parallel to $y = x - 3$

676) through: $(-5, 3)$, parallel to $y = \frac{2}{5}x + 1$

678) through: $(3, -2)$, parallel to $y = -\frac{4}{3}x$

680) through: $(-5, -3)$, parallel to $y = \frac{3}{5}x - 3$

682) through: $(3, -5)$, parallel to $y = -3x + 1$

684) through: $(1, -2)$, parallel to $y = -3x - 4$

686) through: $(1, 1)$, parallel to $y = -4x + 3$

688) through: $(-3, -3)$, parallel to $y = \frac{8}{3}x + 1$

690) through: $(5, 3)$, parallel to $x = 0$

692) through: $(-5, 2)$, parallel to $y = -\frac{2}{5}x + 5$

694) through: $(4, -2)$, parallel to $x = 0$

696) through: $(-4, 4)$, parallel to $y = -\frac{1}{4}x - 3$

698) through: $(2, -4)$, parallel to $y = -5$

699) through: $(2, 3)$, parallel to $y = -x + 4$

700) through: $(5, 2)$, parallel to $y = \frac{4}{5}x + 1$

Write down slope-intercept from given point and perpendicular function:

701) through: $(3, -3)$, perp. to $y = \frac{3}{4}x - 2$

702) through: $(-1, -5)$, perp. to $y = -x - 2$

703) through: $(1, 2)$, perp. to $y = -\frac{1}{6}x + 4$

704) through: $(5, -3)$, perp. to $y = x - 1$

705) through: $(2, -1)$, perp. to $y = \frac{1}{3}x$

706) through: $(-3, -1)$, perp. to $y = -5$

707) through: $(-4, -1)$, perp. to $y = -\frac{6}{5}x - 4$

708) through: $(-3, 0)$, perp. to $y = -x + 1$

709) through: $(-1, 3)$, perp. to $y = -x + 2$

710) through: $(3, 4)$, perp. to $y = -\frac{3}{7}x - 4$

711) through: $(4, -1)$, perp. to $y = -2x - 3$

712) through: $(5, 4)$, perp. to $y = -\frac{8}{3}x - 4$

713) through: $(2, -5)$, perp. to $y = \frac{2}{7}x - 3$

714) through: $(-4, -5)$, perp. to $y = -4x - 2$

715) through: $(-2, 2)$, perp. to $y = 2x - 1$

716) through: $(1, -5)$, perp. to $y = \frac{1}{7}x + 5$

717) through: $(5, -2)$, perp. to $y = \frac{5}{3}x + 1$

718) through: $(-1, 5)$, perp. to $y = \frac{1}{6}x - 5$

719) through: $(2, 2)$, perp. to $y = x + 4$

720) through: $(-4, 3)$, perp. to $y = \frac{4}{5}x + 2$

721) through: $(5, -4)$, perp. to $y = \frac{5}{4}x + 5$

722) through: $(-5, -5)$, perp. to $y = -\frac{5}{3}x$

723) through: $(5, -1)$, perp. to $y = \frac{5}{2}x + 5$

724) through: $(1, 5)$, perp. to $y = \frac{1}{4}x - 3$

725) through: $(2, 4)$, perp. to $y = -\frac{2}{7}x + 5$

726) through: $(-1, 4)$, perp. to $y = \frac{5}{2}x - 5$

727) through: $(5, 4)$, perp. to $y = -4x - 3$

728) through: $(-1, 0)$, perp. to $y = -\frac{1}{4}x + 2$

729) through: $(5, -5)$, perp. to $y = \frac{5}{3}x + 2$

730) through: $(4, -4)$, perp. to $y = \frac{2}{3}x - 5$

731) through: $(5, 5)$, perp. to $y = -\frac{5}{4}x - 4$

732) through: $(5, -3)$, perp. to $y = \frac{5}{6}x + 1$

733) through: $(-5, 2)$, perp. to $y = \frac{1}{7}x + 1$

734) through: $(4, -5)$, perp. to $y = 2x - 1$

735) through: $(-2, 2)$, perp. to $y = -\frac{3}{2}x - 5$

736) through: $(5, -2)$, perp. to $y = \frac{5}{7}x$

737) through: $(1, -1)$, perp. to $y = x - 4$

738) through: $(-2, -1)$, perp. to $y = -\frac{1}{3}x + 2$

739) through: $(1, -3)$, perp. to $y = \frac{1}{5}x$

740) through: $(1, 4)$, perp. to $x = 0$

741) through: $(2, -4)$, perp. to $y = \frac{1}{3}x$

742) through: $(1, 1)$, perp. to $y = -\frac{1}{3}x - 4$

743) through: $(-4, 5)$, perp. to $y = -2$

744) through: $(1, -3)$, perp. to $y = \frac{1}{4}x + 1$

745) through: $(-2, -1)$, perp. to $y = x$

746) through: $(2, -3)$, perp. to $y = \frac{2}{5}x + 4$

747) through: $(-5, -2)$, perp. to $x = 0$

748) through: $(2, 3)$, perp. to $y = -\frac{3}{5}x + 4$

749) through: $(-4, -4)$, perp. to $y = -x + 4$

750) through: $(-3, 1)$, perp. to $y = -\frac{3}{2}x + 5$

751) through: $(5, 4)$, perp. to $y = -\frac{8}{7}x + 5$

752) through: $(-4, 4)$, perp. to $y = \frac{4}{3}x - 4$

753) through: $(5, -5)$, perp. to $y = 0$

754) through: $(1, -2)$, perp. to $y = -\frac{1}{3}x + 5$

755) through: $(-2, -2)$, perp. to $y = -\frac{1}{3}x + 4$

756) through: $(2, 2)$, perp. to $y = -\frac{1}{2}x + 4$

757) through: $(3, -3)$, perp. to $y = \frac{3}{5}x - 2$

758) through: $(-3, 1)$, perp. to $y = -\frac{3}{4}x$

759) through: $(3, 5)$, perp. to $y = -x + 5$

760) through: $(-1, 4)$, perp. to $y = \frac{1}{8}x$

761) through: $(4, -4)$, perp. to $y = \frac{4}{5}x + 5$

762) through: $(-1, 5)$, perp. to $y = \frac{3}{7}x + 3$

763) through: $(-5, -5)$, perp. to $x = 0$

764) through: $(4, 3)$, perp. to $y = -\frac{4}{5}x + 2$

765) through: $(-2, 2)$, perp. to $y = \frac{2}{3}x - 2$

766) through: $(-1, -4)$, perp. to $y = -\frac{1}{7}x$

767) through: $(-1, 1)$, perp. to $x = 0$

768) through: $(5, 0)$, perp. to $y = -5x - 1$

769) through: $(-4, 0)$, perp. to $y = 8x - 5$

770) through: $(2, -3)$, perp. to $y = -2x - 1$

771) through: $(-1, 4)$, perp. to $y = \frac{1}{3}x - 1$

772) through: $(1, 2)$, perp. to $y = -\frac{1}{5}x - 4$

773) through: $(-5, 3)$, perp. to $y = -\frac{5}{2}x + 1$

774) through: $(4, 5)$, perp. to $y = -\frac{2}{3}x - 2$

775) through: $(4, 3)$, perp. to $x = 0$

776) through: $(-2, 1)$, perp. to $y = -2$

777) through: $(-5, -2)$, perp. to $y = -\frac{5}{7}x + 1$

778) through: $(-4, -4)$, perp. to $y = -3x - 1$

779) through: $(-2, 3)$, perp. to $y = -x + 5$

780) through: $(-5, 2)$, perp. to $y = 5x + 5$

781) through: $(4, -2)$, perp. to $y = \frac{4}{5}x + 4$

782) through: $(3, -3)$, perp. to $y = 0$

783) through: $(2, 4)$, perp. to $y = -\frac{2}{9}x$

784) through: $(4, 1)$, perp. to $y = 9x$

785) through: $(-4, -2)$, perp. to $y = 2x$

786) through: $(-2, 3)$, perp. to $y = x + 2$

787) through: $(2, -5)$, perp. to $y = \frac{2}{5}x - 3$

788) through: $(1, 4)$, perp. to $y = -\frac{1}{5}x - 4$

789) through: $(-2, 5)$, perp. to $y = 2x - 4$

790) through: $(-1, 3)$, perp. to $y = \frac{1}{3}x - 3$

791) through: $(1, -5)$, perp. to $y = \frac{1}{8}x + 5$

792) through: $(-4, 1)$, perp. to $y = \frac{5}{4}x - 2$

793) through: $(-5, -4)$, perp. to $y = -\frac{5}{2}x - 2$

794) through: $(1, -2)$, perp. to $y = \frac{1}{6}x + 1$

795) through: $(4, 2)$, perp. to $y = -3$

796) through: $(-5, 3)$, perp. to $y = -3$

797) through: $(-4, 3)$, perp. to $y = 4x$

798) through: $(3, 4)$, perp. to $y = -\frac{3}{8}x + 5$

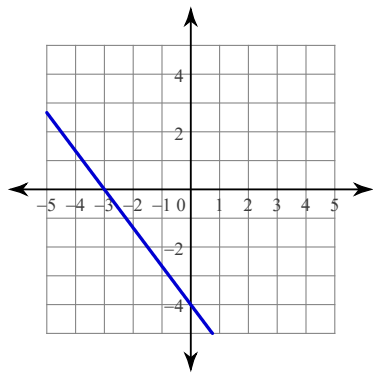
799) through: $(-1, -3)$, perp. to $y = -\frac{1}{4}x + 2$

800) through: $(-5, 3)$, perp. to $y = x - 5$

Linear and affine functions - standard form

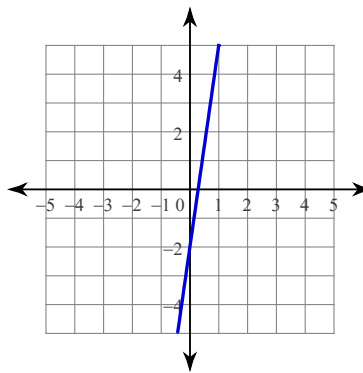
Write down standard from graph form:

1)



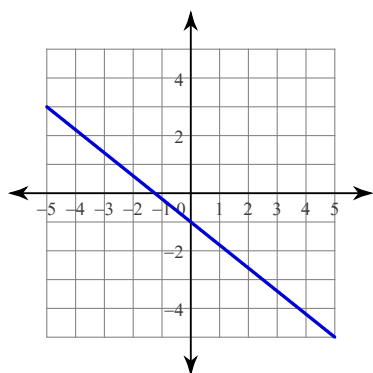
$$4x + 3y = -12$$

2)



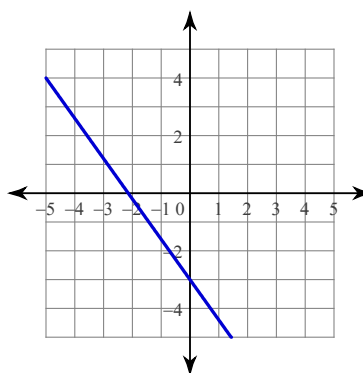
$$7x - y = 2$$

3)



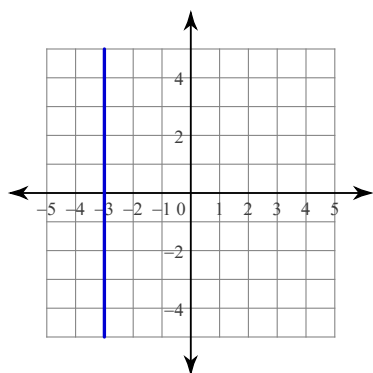
$$4x + 5y = -5$$

4)



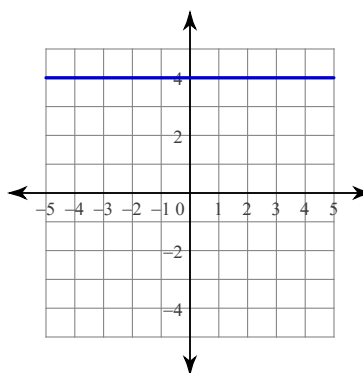
$$7x + 5y = -15$$

5)



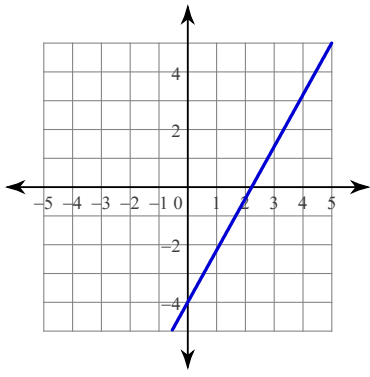
$$x = -3$$

6)



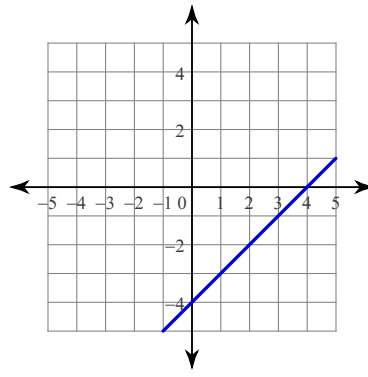
$$y = 4$$

7)



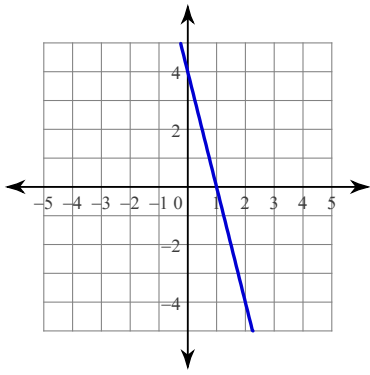
$$9x - 5y = 20$$

8)



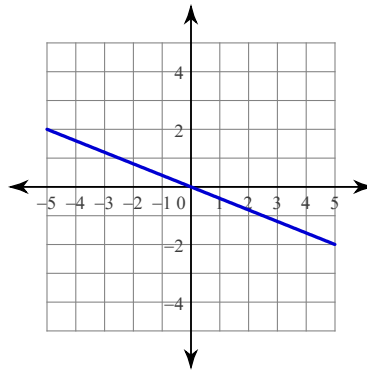
$$x - y = 4$$

9)



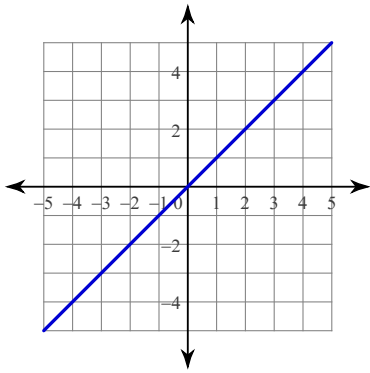
$$4x + y = 4$$

10)



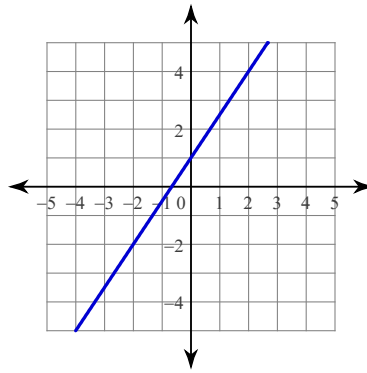
$$2x + 5y = 0$$

11)



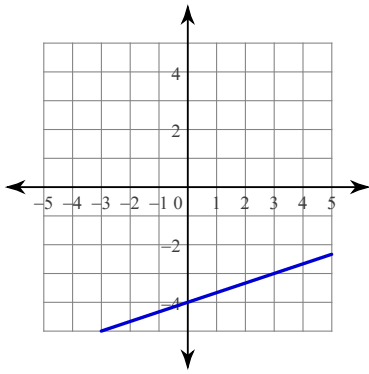
$$x - y = 0$$

12)



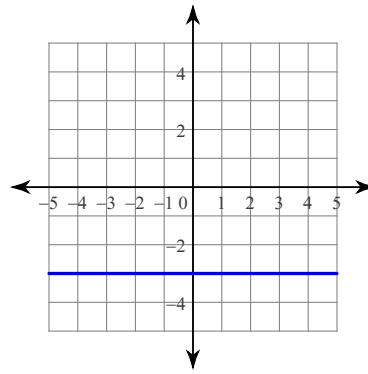
$$3x - 2y = -2$$

13)



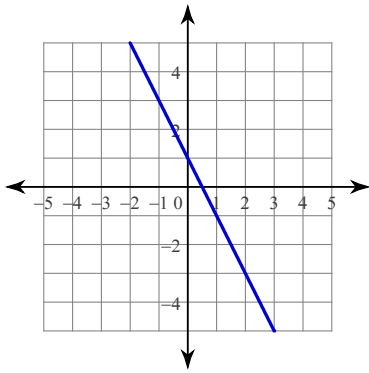
$$x - 3y = 12$$

14)



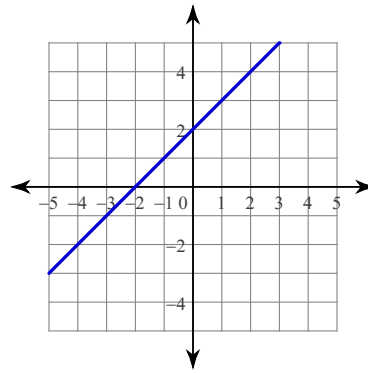
$$y = -3$$

15)



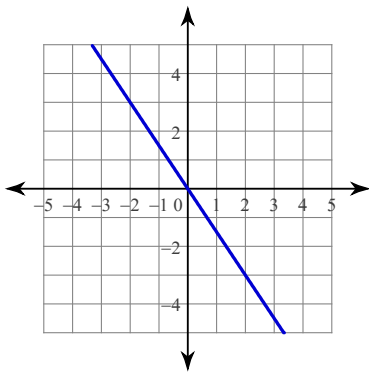
$$2x + y = 1$$

16)



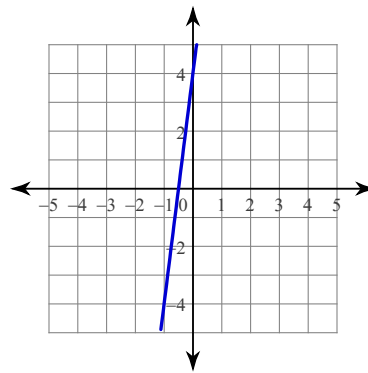
$$x - y = -2$$

17)



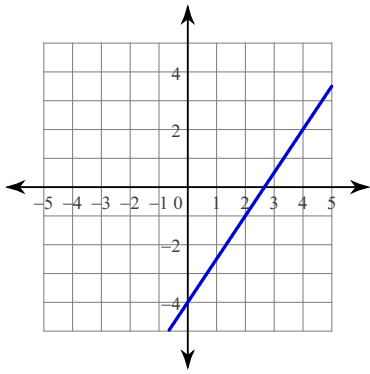
$$3x + 2y = 0$$

18)



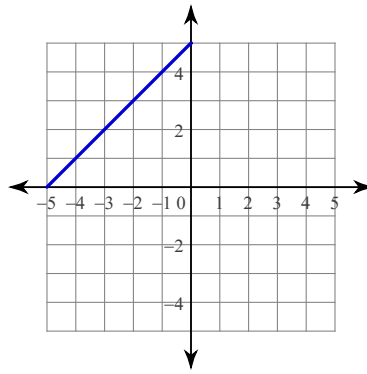
$$8x - y = -4$$

19)



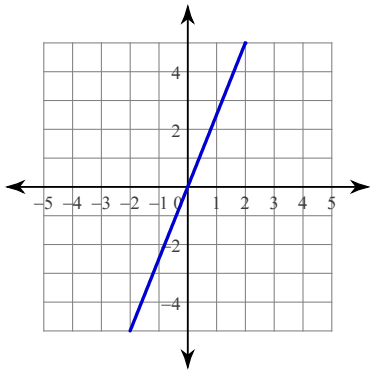
$$3x - 2y = 8$$

20)



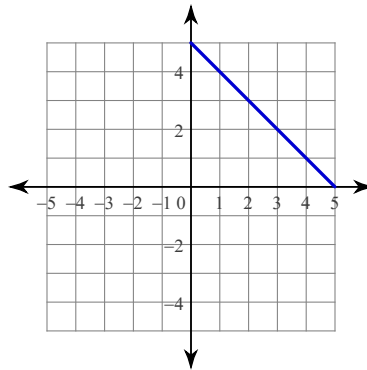
$$x - y = -5$$

21)



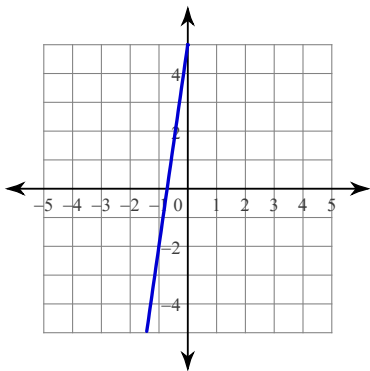
$$5x - 2y = 0$$

22)



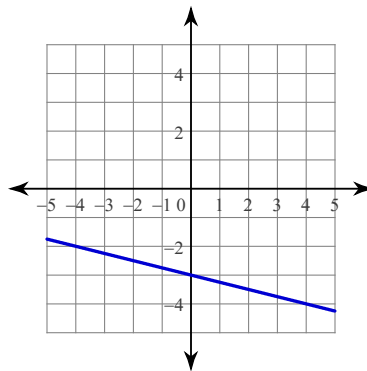
$$x + y = 5$$

23)



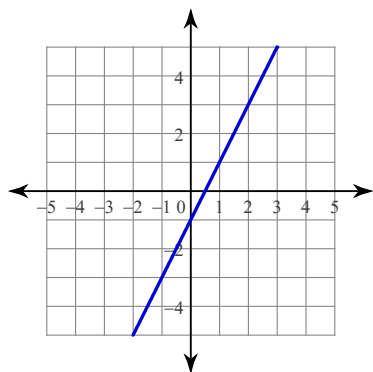
$$7x - y = -5$$

24)



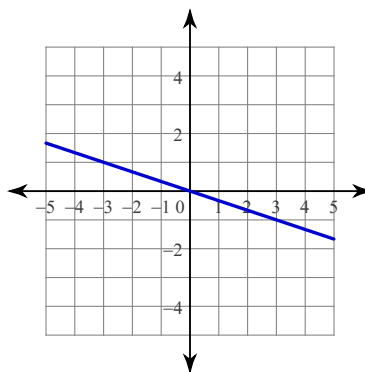
$$x + 4y = -12$$

25)



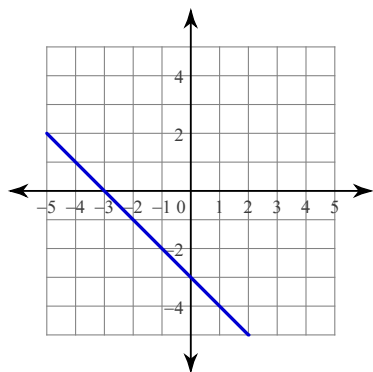
$$2x - y = 1$$

26)



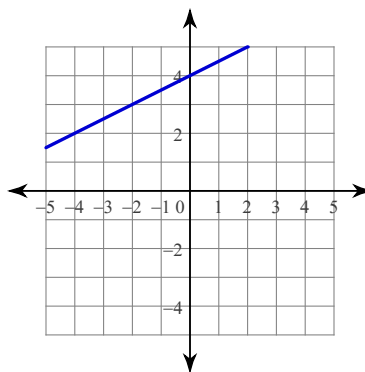
$$x + 3y = 0$$

27)



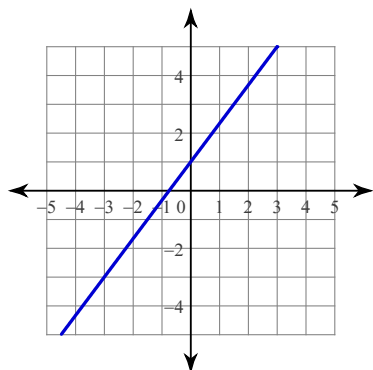
$$x + y = -3$$

28)



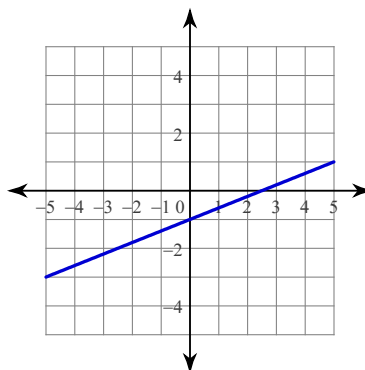
$$x - 2y = -8$$

29)



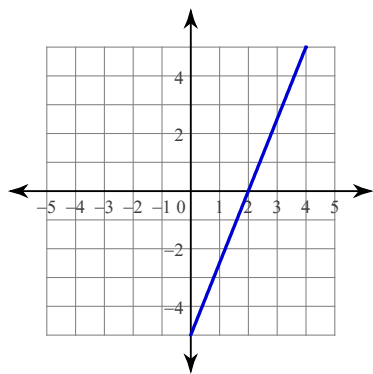
$$4x - 3y = -3$$

30)



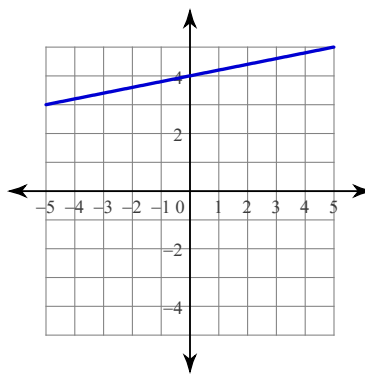
$$2x - 5y = 5$$

31)



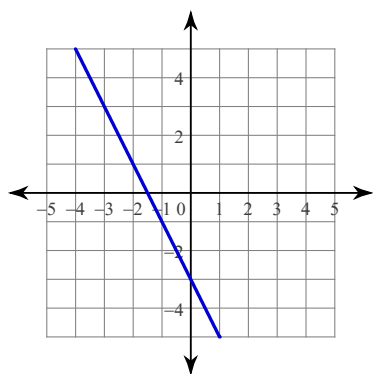
$$5x - 2y = 10$$

32)



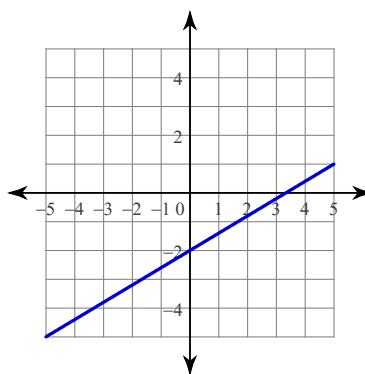
$$x - 5y = -20$$

33)



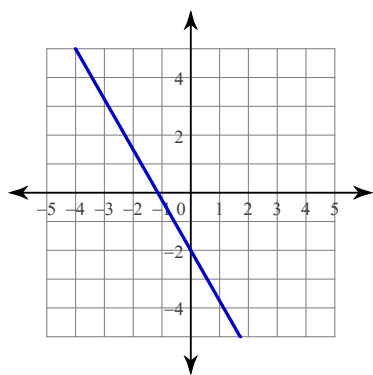
$$2x + y = -3$$

34)



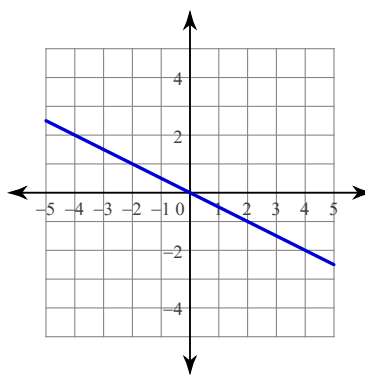
$$3x - 5y = 10$$

35)



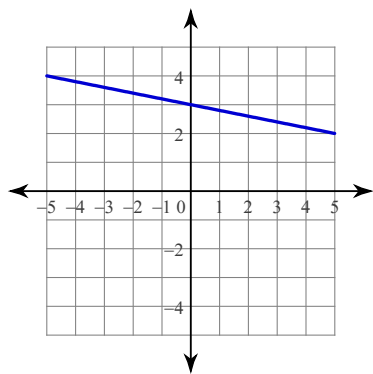
$$7x + 4y = -8$$

36)



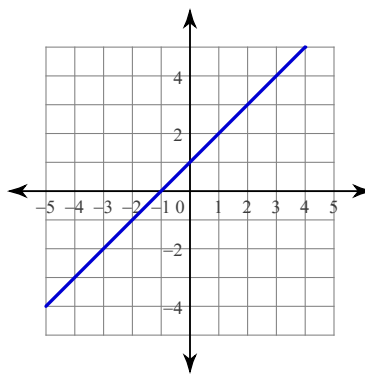
$$x + 2y = 0$$

37)



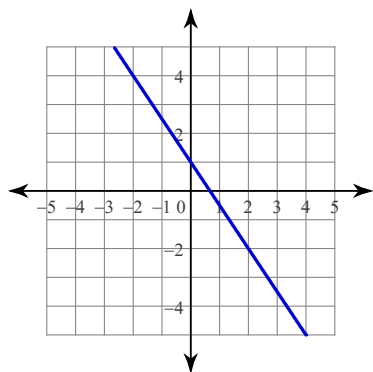
$$x + 5y = 15$$

38)



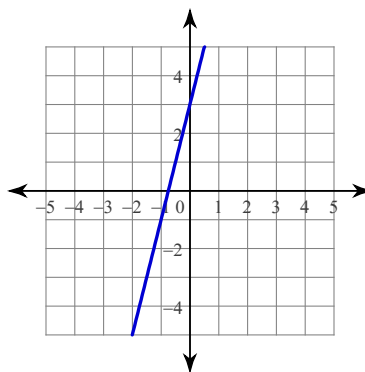
$$x - y = -1$$

39)



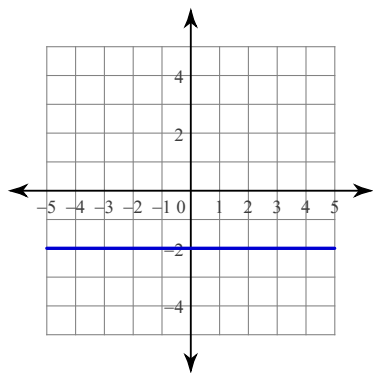
$$3x + 2y = 2$$

40)



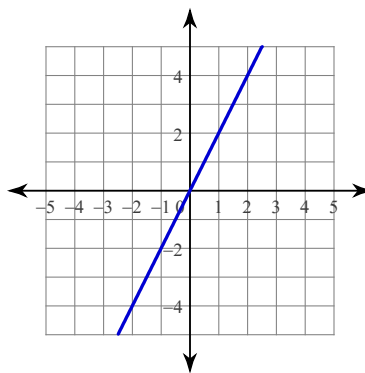
$$4x - y = -3$$

41)



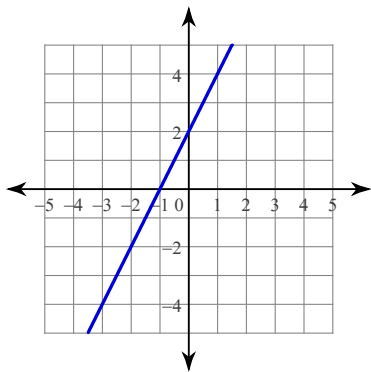
$$y = -2$$

42)



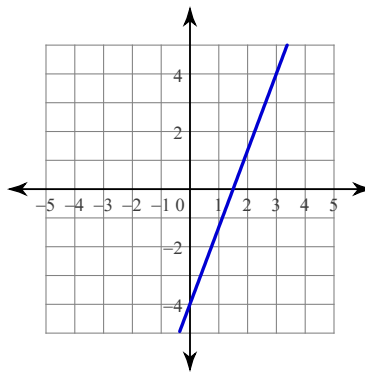
$$2x - y = 0$$

43)



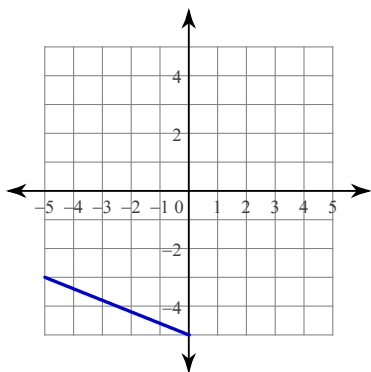
$$2x - y = -2$$

44)



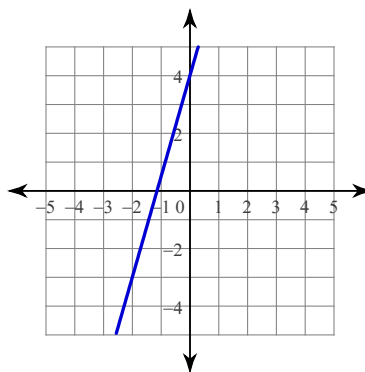
$$8x - 3y = 12$$

45)



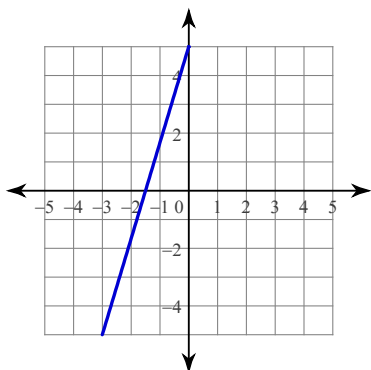
$$2x + 5y = -25$$

46)



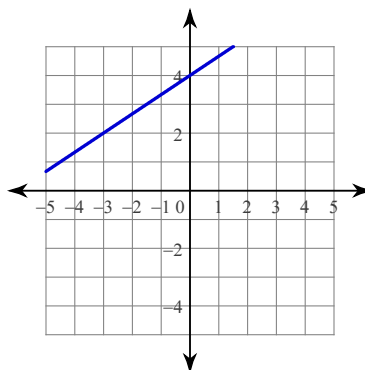
$$7x - 2y = -8$$

47)



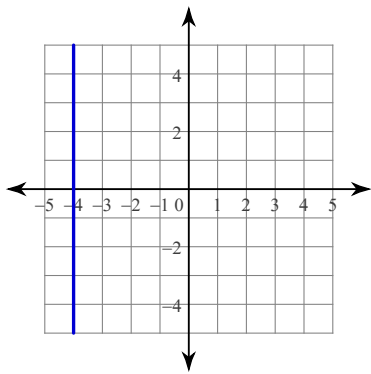
$$10x - 3y = -15$$

48)



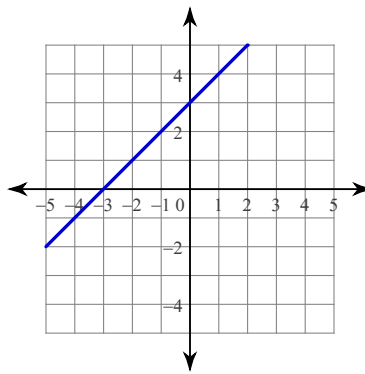
$$2x - 3y = -12$$

49)



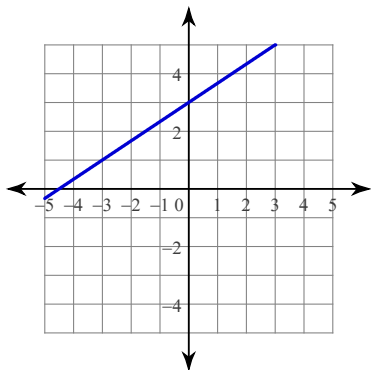
$$x = -4$$

50)



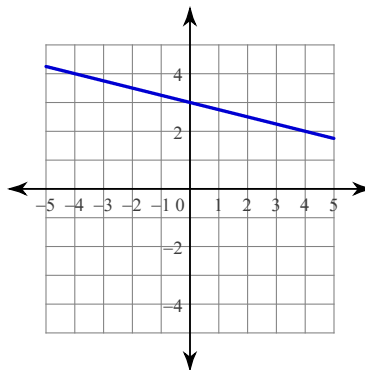
$$x - y = -3$$

51)



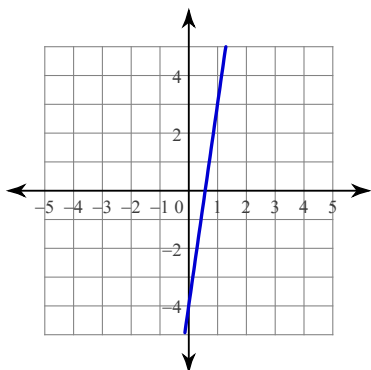
$$2x - 3y = -9$$

52)



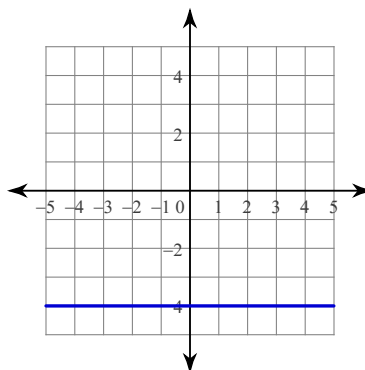
$$x + 4y = 12$$

53)



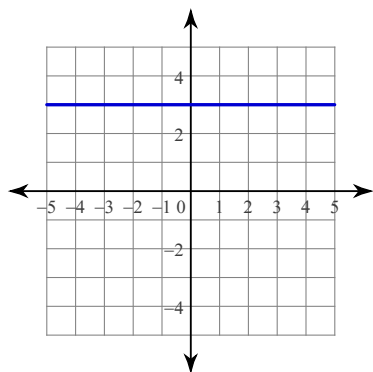
$$7x - y = 4$$

54)



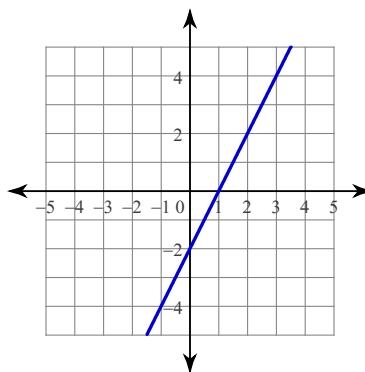
$$y = -4$$

55)



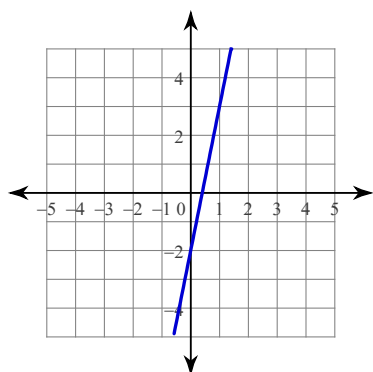
$$y = 3$$

56)



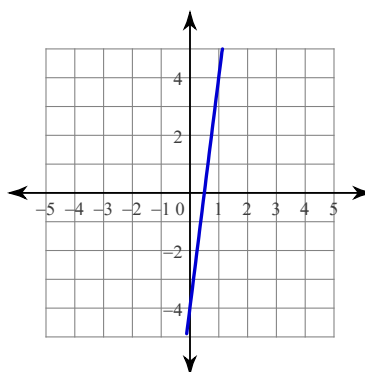
$$2x - y = 2$$

57)



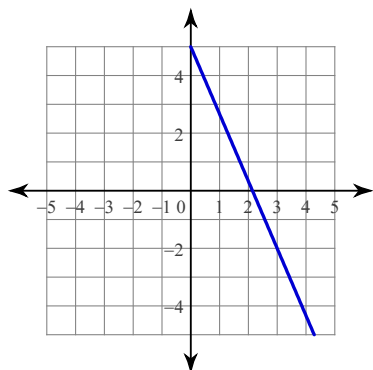
$$5x - y = 2$$

58)



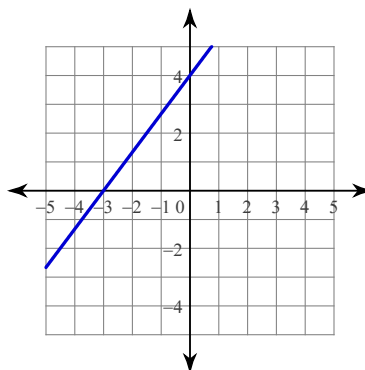
$$8x - y = 4$$

59)



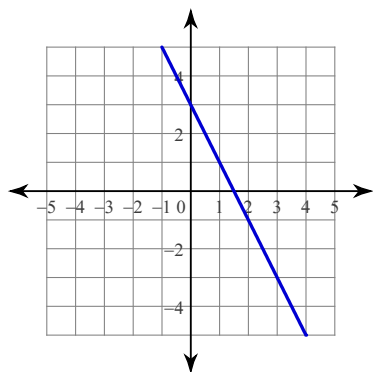
$$7x + 3y = 15$$

60)



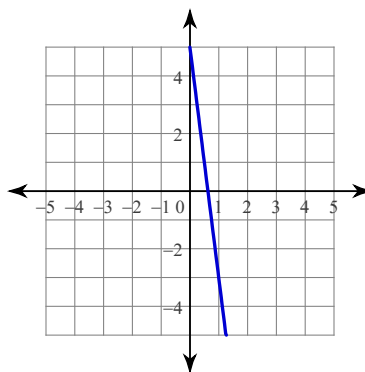
$$4x - 3y = -12$$

61)



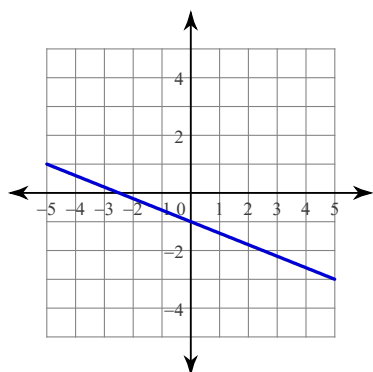
$$2x + y = 3$$

62)



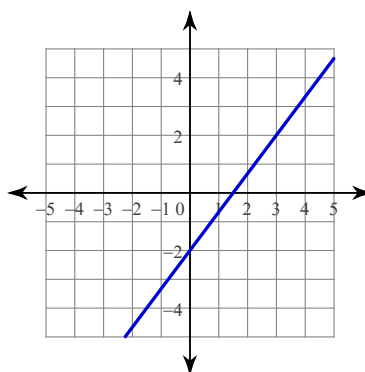
$$8x + y = 5$$

63)



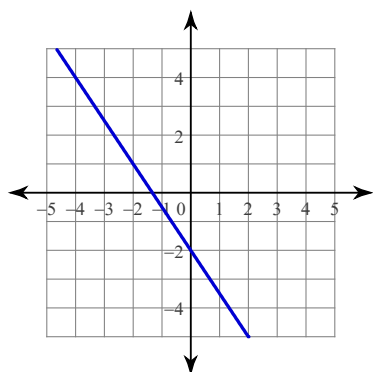
$$2x + 5y = -5$$

64)



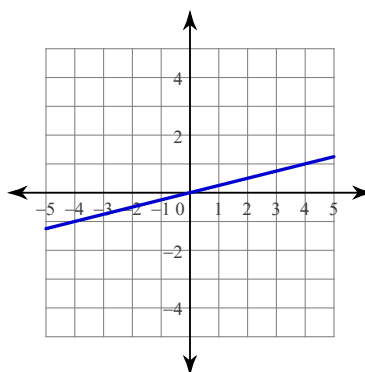
$$4x - 3y = 6$$

65)



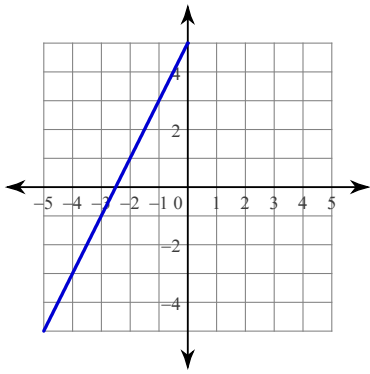
$$3x + 2y = -4$$

66)



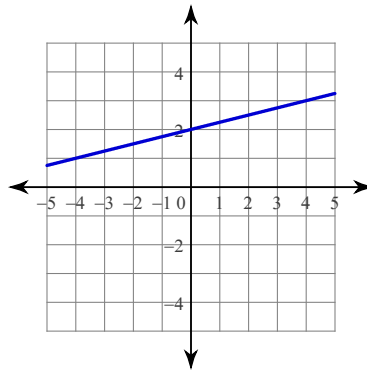
$$x - 4y = 0$$

67)



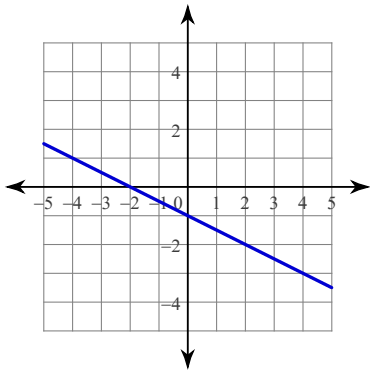
$$2x - y = -5$$

68)



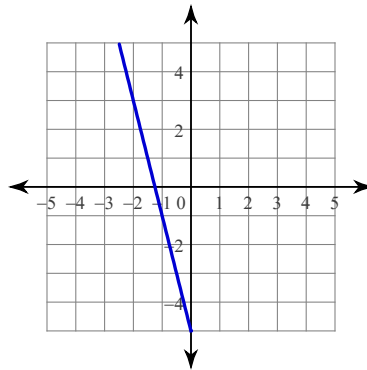
$$x - 4y = -8$$

69)



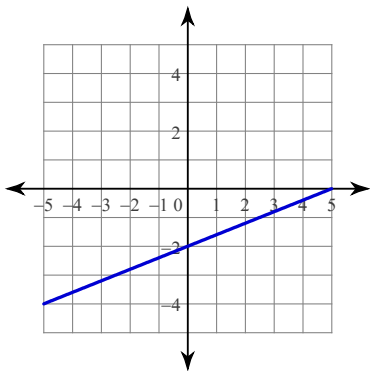
$$x + 2y = -2$$

70)



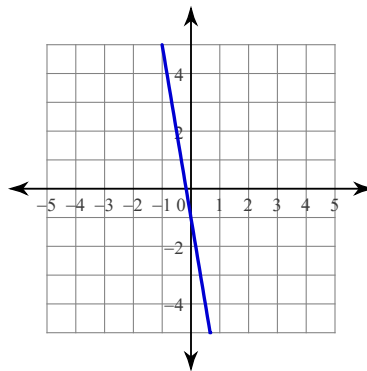
$$4x + y = -5$$

71)



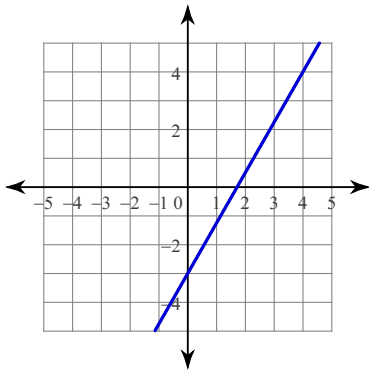
$$2x - 5y = 10$$

72)



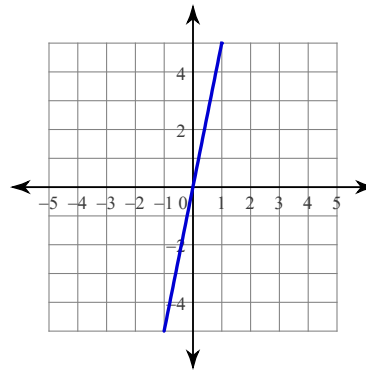
$$6x + y = -1$$

73)



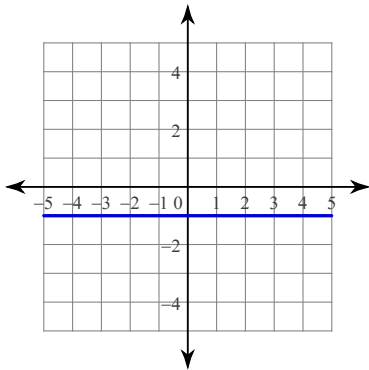
$$7x - 4y = 12$$

74)



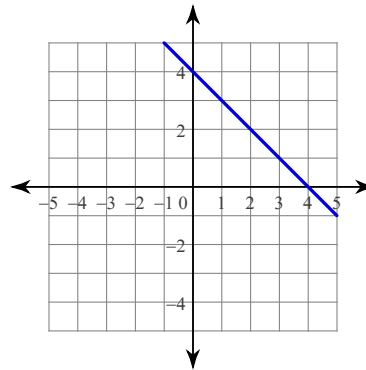
$$5x - y = 0$$

75)



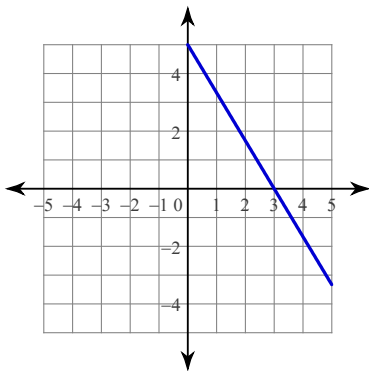
$$y = -1$$

76)



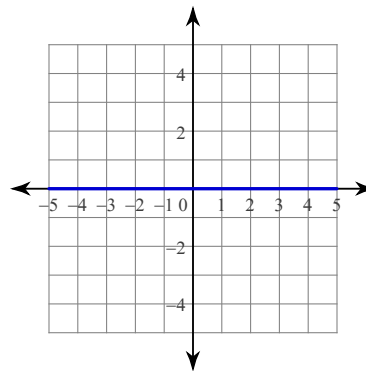
$$x + y = 4$$

77)



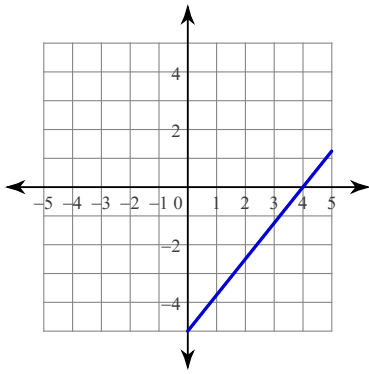
$$5x + 3y = 15$$

78)



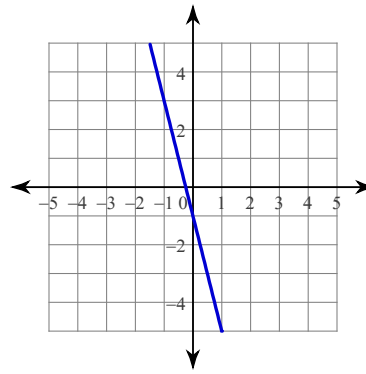
$$y = 0$$

79)



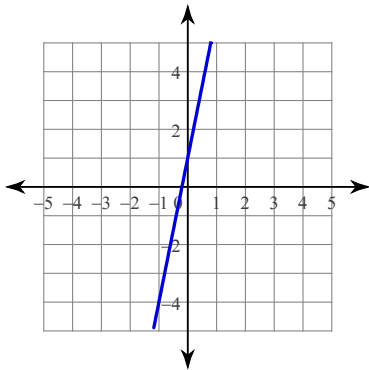
$$5x - 4y = 20$$

80)



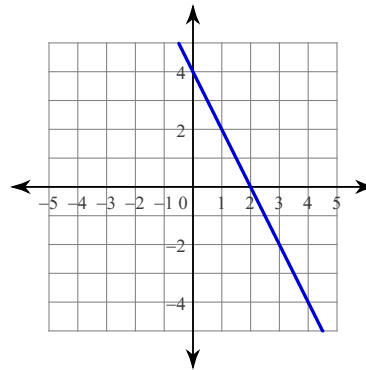
$$4x + y = -1$$

81)



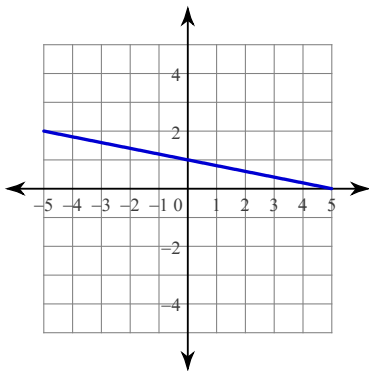
$$5x - y = -1$$

82)



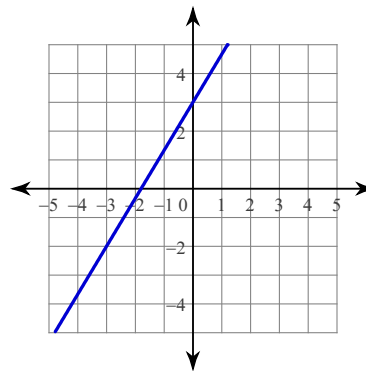
$$2x + y = 4$$

83)



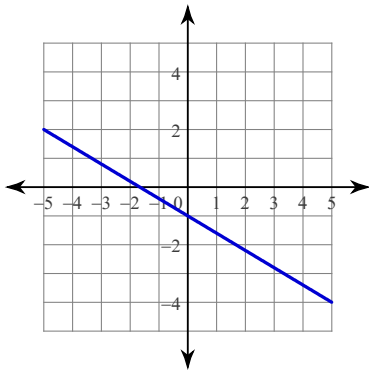
$$x + 5y = 5$$

84)



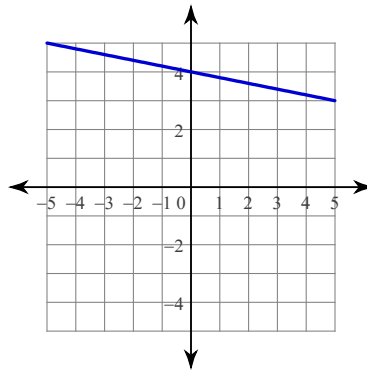
$$5x - 3y = -9$$

85)



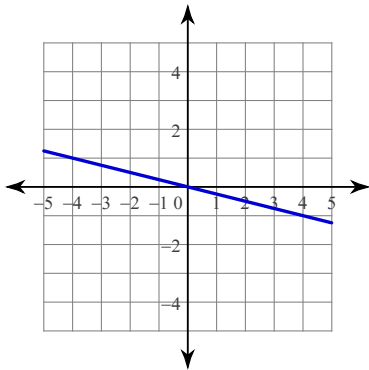
$$3x + 5y = -5$$

86)



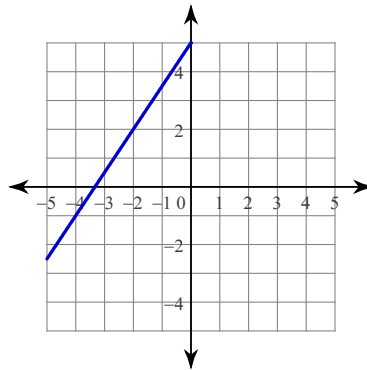
$$x + 5y = 20$$

87)



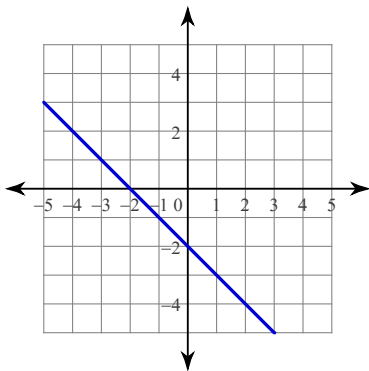
$$x + 4y = 0$$

88)



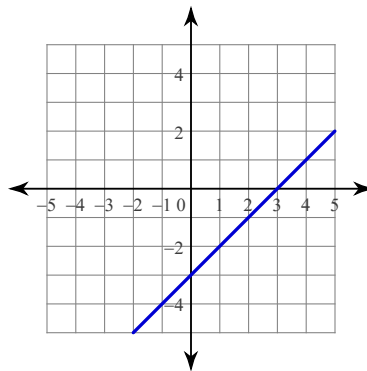
$$3x - 2y = -10$$

89)



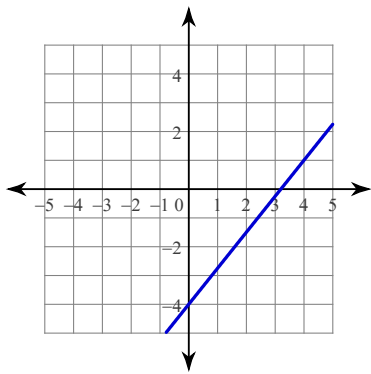
$$x + y = -2$$

90)



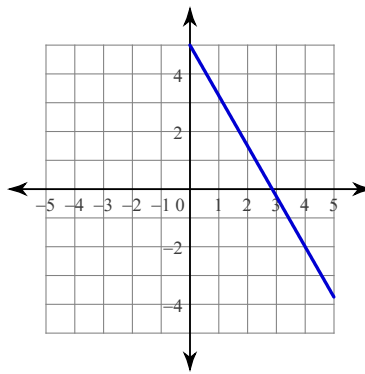
$$x - y = 3$$

91)



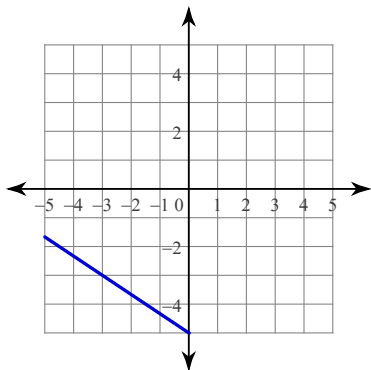
$$5x - 4y = 16$$

92)



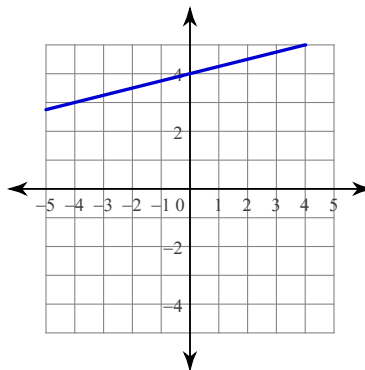
$$7x + 4y = 20$$

93)



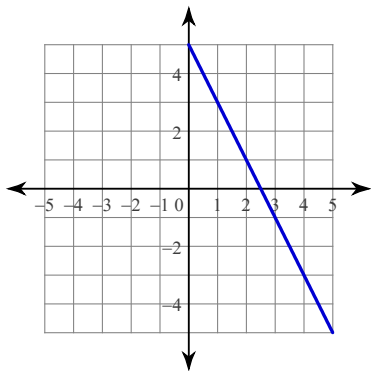
$$2x + 3y = -15$$

94)



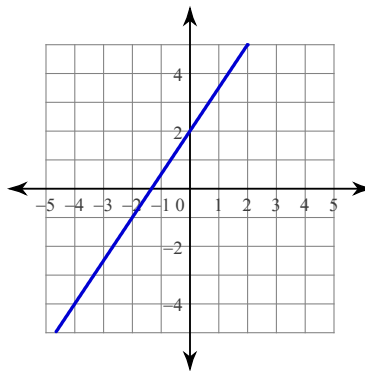
$$x - 4y = -16$$

95)



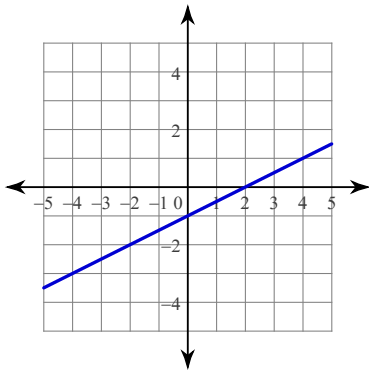
$$2x + y = 5$$

96)



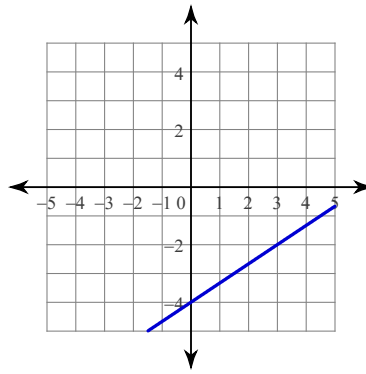
$$3x - 2y = -4$$

97)



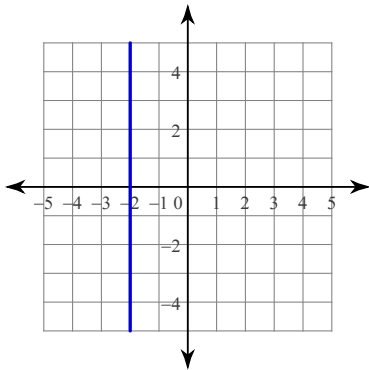
$$x - 2y = 2$$

98)



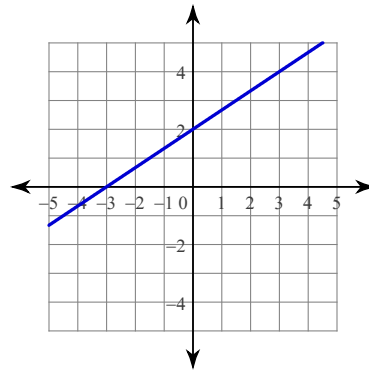
$$2x - 3y = 12$$

99)



$$x = -2$$

100)



$$2x - 3y = -6$$

Write down standard from slope-intercept form:

101) $y = 7x + 5$

$$7x - y = -5$$

102) $y = \frac{7}{6}x + 6$

$$7x - 6y = -36$$

103) $y = -2x + 5$

$$2x + y = 5$$

104) $y = -x + 2$

$$x + y = 2$$

105) $y = 2x + 4$

$$2x - y = -4$$

106) $y = -\frac{7}{2}x - 1$

$$7x + 2y = -2$$

107) $y = 3x + 6$

$$3x - y = -6$$

108) $y = \frac{5}{6}x + 3$

$$5x - 6y = -18$$

$$109) y = \frac{3}{2}x - 3$$

$$3x - 2y = 6$$

$$111) y = -x - 5$$

$$x + y = -5$$

$$113) y = \frac{7}{4}x + 3$$

$$7x - 4y = -12$$

$$115) y = 2x - 2$$

$$2x - y = 2$$

$$117) y = \frac{3}{4}x + 2$$

$$3x - 4y = -8$$

$$119) y = -\frac{1}{2}x$$

$$x + 2y = 0$$

$$121) y = 1$$

$$y = 1$$

$$123) y = 3x - 6$$

$$3x - y = 6$$

$$125) y = \frac{1}{5}x - 5$$

$$x - 5y = 25$$

$$110) y = -2$$

$$y = -2$$

$$112) y = \frac{7}{5}x - 1$$

$$7x - 5y = 5$$

$$114) y = -5$$

$$y = -5$$

$$116) y = 0$$

$$y = 0$$

$$118) y = -5x - 6$$

$$5x + y = -6$$

$$120) y = -\frac{5}{4}x + 1$$

$$5x + 4y = 4$$

$$122) y = \frac{1}{3}x + 6$$

$$x - 3y = -18$$

$$124) y = \frac{5}{3}x + 5$$

$$5x - 3y = -15$$

$$126) y = -\frac{7}{6}x + 6$$

$$7x + 6y = 36$$

$$127) y = -\frac{4}{5}x + 1$$

$$4x + 5y = 5$$

$$129) y = x - 3$$

$$x - y = 3$$

$$131) y = -\frac{1}{2}x + 4$$

$$x + 2y = 8$$

$$133) y = -x + 6$$

$$x + y = 6$$

$$135) y = x + 4$$

$$x - y = -4$$

$$137) y = -x - 1$$

$$x + y = -1$$

$$139) y = -\frac{1}{5}x + 2$$

$$x + 5y = 10$$

$$141) y = -\frac{3}{2}x - 3$$

$$3x + 2y = -6$$

$$143) y = -\frac{2}{3}x + 2$$

$$2x + 3y = 6$$

$$128) y = 6x - 3$$

$$6x - y = 3$$

$$130) y = -\frac{3}{2}x + 5$$

$$3x + 2y = 10$$

$$132) x = 5$$

$$x = 5$$

$$134) y = 2x + 2$$

$$2x - y = -2$$

$$136) y = \frac{5}{6}x - 6$$

$$5x - 6y = 36$$

$$138) y = \frac{5}{6}x - 5$$

$$5x - 6y = 30$$

$$140) y = \frac{1}{3}x + 4$$

$$x - 3y = -12$$

$$142) y = x + 2$$

$$x - y = -2$$

$$144) y = \frac{1}{2}x - 1$$

$$x - 2y = 2$$

$$145) y = -\frac{1}{2}x - 4$$

$$x + 2y = -8$$

$$147) y = x - 6$$

$$x - y = 6$$

$$149) y = \frac{1}{2}x + 5$$

$$x - 2y = -10$$

$$151) y = -\frac{3}{2}x + 3$$

$$3x + 2y = 6$$

$$153) y = x + 5$$

$$x - y = -5$$

$$155) y = \frac{4}{5}x - 4$$

$$4x - 5y = 20$$

$$157) y = -\frac{11}{2}x + 5$$

$$11x + 2y = 10$$

$$159) y = \frac{3}{2}x - 6$$

$$3x - 2y = 12$$

$$161) y = \frac{1}{6}x + 2$$

$$x - 6y = -12$$

$$146) y = -3x + 3$$

$$3x + y = 3$$

$$148) x = 1$$

$$x = 1$$

$$150) y = \frac{1}{4}x + 2$$

$$x - 4y = -8$$

$$152) y = -\frac{1}{2}x + 1$$

$$x + 2y = 2$$

$$154) y = -2x + 6$$

$$2x + y = 6$$

$$156) y = \frac{11}{5}x + 5$$

$$11x - 5y = -25$$

$$158) y = -3x + 4$$

$$3x + y = 4$$

$$160) y = \frac{1}{2}x + 2$$

$$x - 2y = -4$$

$$162) y = x + 3$$

$$x - y = -3$$

$$163) y = 7x + 4$$

$$7x - y = -4$$

$$164) y = -\frac{1}{2}x - 3$$

$$x + 2y = -6$$

$$165) y = \frac{3}{5}x - 5$$

$$3x - 5y = 25$$

$$166) y = -1$$

$$y = -1$$

$$167) y = -\frac{7}{5}x + 5$$

$$7x + 5y = 25$$

$$168) y = -\frac{7}{2}x - 6$$

$$7x + 2y = -12$$

$$169) y = -\frac{1}{3}x - 4$$

$$x + 3y = -12$$

$$170) y = -\frac{8}{3}x - 2$$

$$8x + 3y = -6$$

$$171) y = -7x - 6$$

$$7x + y = -6$$

$$172) y = -x - 3$$

$$x + y = -3$$

$$173) y = -\frac{2}{5}x + 4$$

$$2x + 5y = 20$$

$$174) y = -\frac{7}{6}x + 3$$

$$7x + 6y = 18$$

$$175) y = x + 1$$

$$x - y = -1$$

$$176) y = \frac{7}{5}x + 1$$

$$7x - 5y = -5$$

$$177) y = -3x - 6$$

$$3x + y = -6$$

$$178) y = -3x - 1$$

$$3x + y = -1$$

$$179) y = \frac{5}{2}x + 2$$

$$5x - 2y = -4$$

$$180) y = -\frac{5}{3}x + 6$$

$$5x + 3y = 18$$

$$181) y = \frac{3}{2}x - 1$$

$$3x - 2y = 2$$

$$183) y = \frac{1}{3}x + 2$$

$$x - 3y = -6$$

$$185) y = \frac{4}{3}x - 5$$

$$4x - 3y = 15$$

$$187) y = -\frac{1}{4}x - 2$$

$$x + 4y = -8$$

$$189) y = -2x - 4$$

$$2x + y = -4$$

$$191) y = -\frac{4}{3}x - 5$$

$$4x + 3y = -15$$

$$193) y = -\frac{8}{3}x - 3$$

$$8x + 3y = -9$$

$$195) y = -x - 2$$

$$x + y = -2$$

$$197) y = -4x - 2$$

$$4x + y = -2$$

$$182) y = 6$$

$$y = 6$$

$$184) y = -5x - 5$$

$$5x + y = -5$$

$$186) y = -\frac{3}{5}x$$

$$3x + 5y = 0$$

$$188) y = -7x + 6$$

$$7x + y = 6$$

$$190) y = \frac{6}{5}x$$

$$6x - 5y = 0$$

$$192) y = -\frac{5}{3}x - 5$$

$$5x + 3y = -15$$

$$194) y = -\frac{5}{4}x - 4$$

$$5x + 4y = -16$$

$$196) y = x - 5$$

$$x - y = 5$$

$$198) y = -9x - 4$$

$$9x + y = -4$$

$$199) y = -\frac{4}{3}x - 2$$

$$4x + 3y = -6$$

$$200) y = \frac{2}{5}x$$

$$2x - 5y = 0$$

Write down standard from point-slope form:

$$201) y + 4 = x + 5$$

$$x - y = -1$$

$$202) y + 3 = -(x + 2)$$

$$x + y = -5$$

$$203) y = -(x - 4)$$

$$x + y = 4$$

$$204) y - 2 = 2(x + 1)$$

$$2x - y = -4$$

$$205) y + 3 = -(x - 4)$$

$$x + y = 1$$

$$206) y + 2 = 4(x + 4)$$

$$4x - y = -14$$

$$207) y + 3 = \frac{7}{4}(x + 4)$$

$$7x - 4y = -16$$

$$208) y = \frac{2}{3}(x - 3)$$

$$2x - 3y = 6$$

$$209) y + 4 = 0$$

$$y = -4$$

$$210) y + 5 = -\frac{10}{3}(x - 3)$$

$$10x + 3y = 15$$

$$211) y - 1 = -4(x + 1)$$

$$4x + y = -3$$

$$212) y + 4 = \frac{1}{2}(x + 4)$$

$$x - 2y = 4$$

$$213) y - 4 = x + 1$$

$$x - y = -5$$

$$214) y - 2 = -\frac{4}{3}(x + 1)$$

$$4x + 3y = 2$$

$$215) y + 2 = x - 2$$

$$x - y = 4$$

$$216) y - 5 = 10(x - 4)$$

$$10x - y = 35$$

$$217) y + 5 = \frac{7}{2}(x + 2)$$

$$7x - 2y = -4$$

$$219) y - 1 = -6(x + 1)$$

$$6x + y = -5$$

$$221) y + 2 = \frac{2}{3}(x - 3)$$

$$2x - 3y = 12$$

$$223) 0 = x - 3$$

$$x = 3$$

$$225) y + 2 = -\frac{2}{3}(x - 3)$$

$$2x + 3y = 0$$

$$227) y - 2 = -(x + 2)$$

$$x + y = 0$$

$$229) y - 2 = \frac{2}{3}(x - 3)$$

$$2x - 3y = 0$$

$$231) y - 4 = -(x + 2)$$

$$x + y = 2$$

$$233) y - 1 = \frac{4}{3}(x - 3)$$

$$4x - 3y = 9$$

$$218) y + 5 = \frac{6}{7}(x + 3)$$

$$6x - 7y = 17$$

$$220) y - 4 = -\frac{5}{2}(x - 3)$$

$$5x + 2y = 23$$

$$222) y + 4 = \frac{5}{2}(x + 2)$$

$$5x - 2y = -2$$

$$224) y + 5 = -\frac{3}{5}(x - 5)$$

$$3x + 5y = -10$$

$$226) y + 4 = 8(x + 1)$$

$$8x - y = -4$$

$$228) y + 3 = -\frac{1}{3}(x - 3)$$

$$x + 3y = -6$$

$$230) y - 3 = -\frac{2}{5}(x + 5)$$

$$2x + 5y = 5$$

$$232) y - 4 = \frac{1}{4}(x + 4)$$

$$x - 4y = -20$$

$$234) y + 1 = -(x + 3)$$

$$x + y = -4$$

$$235) y + 4 = -\frac{8}{3}x$$

$$8x + 3y = -12$$

$$237) y - 3 = -\frac{2}{3}(x - 3)$$

$$2x + 3y = 15$$

$$239) y + 5 = \frac{8}{3}(x - 1)$$

$$8x - 3y = 23$$

$$241) y - 4 = \frac{7}{4}(x - 5)$$

$$7x - 4y = 19$$

$$243) y + 2 = \frac{3}{5}(x + 5)$$

$$3x - 5y = -5$$

$$245) y - 1 = -\frac{1}{4}(x - 4)$$

$$x + 4y = 8$$

$$247) y - 5 = -\frac{9}{2}(x + 2)$$

$$9x + 2y = -8$$

$$249) y + 3 = \frac{4}{5}(x + 5)$$

$$4x - 5y = -5$$

$$251) y + 4 = -4(x - 2)$$

$$4x + y = 4$$

$$236) y + 5 = -\frac{6}{5}(x - 5)$$

$$6x + 5y = 5$$

$$238) y + 3 = \frac{1}{4}(x - 4)$$

$$x - 4y = 16$$

$$240) y + 1 = -\frac{2}{5}(x + 5)$$

$$2x + 5y = -15$$

$$242) y + 2 = -3x$$

$$3x + y = -2$$

$$244) y = 0$$

$$y = 0$$

$$246) y + 3 = -\frac{3}{5}(x - 5)$$

$$3x + 5y = 0$$

$$248) y - 5 = -\frac{1}{4}(x + 4)$$

$$x + 4y = 16$$

$$250) y - 4 = -7x$$

$$7x + y = 4$$

$$252) y + 5 = -3(x - 3)$$

$$3x + y = 4$$

$$253) y - 2 = x - 2$$

$$x - y = 0$$

$$255) y = -\frac{4}{5}(x - 3)$$

$$4x + 5y = 12$$

$$257) y - 5 = -3(x + 1)$$

$$3x + y = 2$$

$$259) y + 3 = x + 2$$

$$x - y = 1$$

$$261) y - 5 = \frac{3}{2}(x - 4)$$

$$3x - 2y = 2$$

$$263) 0 = x + 1$$

$$x = -1$$

$$265) y + 1 = -\frac{1}{5}(x + 5)$$

$$x + 5y = -10$$

$$267) y + 5 = 6x$$

$$6x - y = 5$$

$$269) y + 5 = 0$$

$$y = -5$$

$$271) 0 = x + 2$$

$$x = -2$$

$$254) y - 2 = \frac{2}{5}x$$

$$2x - 5y = -10$$

$$256) y + 4 = -2(x - 3)$$

$$2x + y = 2$$

$$258) y + 5 = x + 2$$

$$x - y = 3$$

$$260) y - 1 = \frac{1}{3}(x - 3)$$

$$x - 3y = 0$$

$$262) y + 2 = 3(x + 2)$$

$$3x - y = -4$$

$$264) y + 4 = -\frac{1}{2}(x - 5)$$

$$x + 2y = -3$$

$$266) y - 1 = -\frac{3}{2}(x + 2)$$

$$3x + 2y = -4$$

$$268) y + 3 = 2(x - 1)$$

$$2x - y = 5$$

$$270) y - 2 = 3(x - 1)$$

$$3x - y = 1$$

$$272) y + 4 = -(x - 3)$$

$$x + y = -1$$

$$273) y + 1 = -4(x - 1)$$

$$4x + y = 3$$

$$275) y - 3 = -\frac{6}{5}(x + 5)$$

$$6x + 5y = -15$$

$$277) y - 3 = -(x - 2)$$

$$x + y = 5$$

$$279) y + 3 = 8x$$

$$8x - y = 3$$

$$281) y - 4 = 4(x - 1)$$

$$4x - y = 0$$

$$283) y - 3 = 4(x - 1)$$

$$4x - y = 1$$

$$285) y - 1 = 0$$

$$y = 1$$

$$287) y + 4 = -\frac{9}{2}(x - 2)$$

$$9x + 2y = 10$$

$$289) y = -\frac{1}{4}(x + 4)$$

$$x + 4y = -4$$

$$274) y - 5 = -\frac{6}{5}(x + 5)$$

$$6x + 5y = -5$$

$$276) y = x + 2$$

$$x - y = -2$$

$$278) y = \frac{4}{3}(x + 2)$$

$$4x - 3y = -8$$

$$280) y + 3 = -\frac{1}{2}x$$

$$x + 2y = -6$$

$$282) y - 5 = -\frac{7}{5}(x + 5)$$

$$7x + 5y = -10$$

$$284) y + 1 = -4(x - 2)$$

$$4x + y = 7$$

$$286) y = 4(x + 4)$$

$$4x - y = -16$$

$$288) y = -\frac{1}{5}(x - 5)$$

$$x + 5y = 5$$

$$290) y + 2 = -\frac{3}{7}(x - 4)$$

$$3x + 7y = -2$$

$$291) y + 2 = \frac{3}{2}(x + 2)$$

$$3x - 2y = -2$$

$$292) y + 3 = \frac{7}{3}x$$

$$7x - 3y = 9$$

$$293) y - 2 = \frac{1}{4}(x + 4)$$

$$x - 4y = -12$$

$$294) y + 3 = \frac{1}{2}(x - 4)$$

$$x - 2y = 10$$

$$295) y + 3 = -\frac{7}{2}(x - 2)$$

$$7x + 2y = 8$$

$$296) y = \frac{3}{4}(x - 3)$$

$$3x - 4y = 9$$

$$297) y + 4 = -2(x - 2)$$

$$2x + y = 0$$

$$298) y - 3 = \frac{3}{5}(x - 5)$$

$$3x - 5y = 0$$

$$299) y + 3 = -\frac{8}{3}(x - 3)$$

$$8x + 3y = 15$$

$$300) y - 4 = \frac{1}{3}x$$

$$x - 3y = -12$$

Write down standard from given form:

$$301) 0 = -27x - 3y - 12$$

$$9x + y = -4$$

$$302) 3 + x = y$$

$$x - y = -3$$

$$303) 3x - 4 = -2y$$

$$3x + 2y = 4$$

$$304) -x - 9 = -3y$$

$$x - 3y = -9$$

$$305) 0 = -2x + 2y + 4$$

$$x - y = 2$$

$$306) 6 = -2x - 2y$$

$$x + y = -3$$

$$307) -x - y = 0$$

$$x + y = 0$$

$$308) 0 = -6 - 3y - 7x$$

$$7x + 3y = -6$$

$$309) -2y = 5x$$

$$5x + 2y = 0$$

$$311) 10 = -4x + 2y$$

$$2x - y = -5$$

$$313) 0 = -5x + 2y$$

$$5x - 2y = 0$$

$$315) 10 = 5y - 6x$$

$$6x - 5y = -10$$

$$317) 0 = y - 1 - x$$

$$x - y = -1$$

$$319) y = 2 - x$$

$$x + y = 2$$

$$321) 0 = -3 - 6x + y$$

$$6x - y = -3$$

$$323) -4 = 2y + 2x$$

$$x + y = -2$$

$$325) x + 4 = 0$$

$$x = -4$$

$$327) -20 - 10y = -4x$$

$$2x - 5y = 10$$

$$329) y = -2x - 3$$

$$2x + y = -3$$

$$310) 3x - 2 = y$$

$$3x - y = 2$$

$$312) 0 = 5 - 4x + 5y$$

$$4x - 5y = 5$$

$$314) 5 - y + x = 0$$

$$x - y = -5$$

$$316) 0 = 5x - 10 - 2y$$

$$5x - 2y = 10$$

$$318) 0 = -3x - 3$$

$$x = -1$$

$$320) -x = -2$$

$$x = 2$$

$$322) y - 2 = -6x$$

$$6x + y = 2$$

$$324) 2y = 7x + 4$$

$$7x - 2y = -4$$

$$326) 2y - 4x = -2$$

$$2x - y = 1$$

$$328) -x - y = -4$$

$$x + y = 4$$

$$330) 0 = 10 + 5x + 2y$$

$$5x + 2y = -10$$

$$331) -5 + x = 0$$

$$x = 5$$

$$333) 3y = -9$$

$$y = -3$$

$$335) 3x + 23 = 7y$$

$$3x - 7y = -23$$

$$337) 0 = x + 2$$

$$x = -2$$

$$339) 3y - 4x + 3 = 0$$

$$4x - 3y = 3$$

$$341) -y - 2 = 6x$$

$$6x + y = -2$$

$$343) 3y + 12x = -9$$

$$4x + y = -3$$

$$345) -5 = y$$

$$y = -5$$

$$347) -\frac{2}{7}y = -x - \frac{10}{7}$$

$$7x - 2y = -10$$

$$349) 3x = 4 + 4y$$

$$3x - 4y = 4$$

$$332) x = -2y - 8$$

$$x + 2y = -8$$

$$334) -11 - 2y = -3x$$

$$3x - 2y = 11$$

$$336) 6 = 2y - x$$

$$x - 2y = -6$$

$$338) -3x = -12 - 6y$$

$$x - 2y = 4$$

$$340) -\frac{25}{4} = -x + \frac{5}{4}y$$

$$4x - 5y = 25$$

$$342) 4 = -y - \frac{6}{5}x$$

$$6x + 5y = -20$$

$$344) x + \frac{5}{2} + \frac{1}{2}y = 0$$

$$2x + y = -5$$

$$346) 3x + 8 + 4y = 0$$

$$3x + 4y = -8$$

$$348) -2y = 2 + x$$

$$x + 2y = -2$$

$$350) 0 = -1 + \frac{1}{4}y$$

$$y = 4$$

$$351) 5x = 4 + 2y$$

$$5x - 2y = 4$$

$$353) x = -y + 3$$

$$x + y = 3$$

$$355) 0 = 3y + 5x$$

$$5x + 3y = 0$$

$$357) -y = -x + 1$$

$$x - y = 1$$

$$359) 0 = -y$$

$$y = 0$$

$$361) 0 = 4 - 7x + 2y$$

$$7x - 2y = 4$$

$$363) -1 - \frac{1}{2}x = -y$$

$$x - 2y = -2$$

$$365) 5y - 10 = -x$$

$$x + 5y = 10$$

$$367) -7x + 20 - 5y = 0$$

$$7x + 5y = 20$$

$$369) x = -\frac{5}{6}y + \frac{5}{3}$$

$$6x + 5y = 10$$

$$371) y = 2x + 3$$

$$2x - y = -3$$

$$352) -9y + 15x = -60$$

$$5x - 3y = -20$$

$$354) y - x = 4$$

$$x - y = -4$$

$$356) 0 = 2x - 5y$$

$$2x - 5y = 0$$

$$358) -12 = -3x + 4y$$

$$3x - 4y = 12$$

$$360) -5x - 4y = -12$$

$$5x + 4y = 12$$

$$362) 15x = 9y$$

$$5x - 3y = 0$$

$$364) x = 5 - 5y$$

$$x + 5y = 5$$

$$366) 10y = 20 - 6x$$

$$3x + 5y = 10$$

$$368) 0 = 2 + y + 2x$$

$$2x + y = -2$$

$$370) -31 + 2x = -7y$$

$$2x + 7y = 31$$

$$372) -1 - \frac{5}{13}x = \frac{1}{13}y$$

$$5x + y = -13$$

$$373) -\frac{1}{5}y = -1 + \frac{2}{5}x$$

$$2x + y = 5$$

$$374) 9y = -18 + 6x$$

$$2x - 3y = 6$$

$$375) -x - 4y = -9$$

$$x + 4y = 9$$

$$376) x = \frac{1}{3}y - \frac{1}{3}$$

$$3x - y = -1$$

$$377) -2 - y = -4x$$

$$4x - y = 2$$

$$378) 11 - y = 4x$$

$$4x + y = 11$$

$$379) 3x = 3$$

$$x = 1$$

$$380) -20 + 4y = -x$$

$$x + 4y = 20$$

$$381) 0 = -7x - 5 - y$$

$$7x + y = -5$$

$$382) -1 = -\frac{1}{5}y - \frac{8}{5}x$$

$$8x + y = 5$$

$$383) 10 + 10x = 2y$$

$$5x - y = -5$$

$$384) -2y = -10 - 8x$$

$$4x - y = -5$$

$$385) 0 = x + \frac{3}{2} + \frac{3}{8}y$$

$$8x + 3y = -12$$

$$386) -3y = x + 3$$

$$x + 3y = -3$$

$$387) 2x = -5y - 10$$

$$2x + 5y = -10$$

$$388) y - 2x - 1 = 0$$

$$2x - y = -1$$

$$389) x = 7 + 3y$$

$$x - 3y = 7$$

$$390) -y = 5 + \frac{1}{3}x$$

$$x + 3y = -15$$

$$391) 0 = 3x + 26 + 7y$$

$$3x + 7y = -26$$

$$392) y - \frac{9}{2} = -\frac{1}{2}x$$

$$x + 2y = 9$$

$$394) y + \frac{1}{5}x = 0$$

$$x + 5y = 0$$

$$396) 5 + 2x = 5y$$

$$2x - 5y = -5$$

$$398) 29 = -x + 8y$$

$$x - 8y = -29$$

$$400) 5 = -y + 6x$$

$$6x - y = 5$$

$$393) -2 + y = x$$

$$x - y = -2$$

$$395) -3x + 2y = 10$$

$$3x - 2y = -10$$

$$397) -10 + 2y = 0$$

$$y = 5$$

$$399) -x + 5y = -5$$

$$x - 5y = 5$$

Write down standard from given point and slope:

$$401) \text{ through: } (-4, -2), \text{ slope} = \frac{1}{4}$$

$$x - 4y = 4$$

$$403) \text{ through: } (0, 2), \text{ slope} = -1$$

$$x + y = 2$$

$$405) \text{ through: } (-2, 2), \text{ slope} = -1$$

$$x + y = 0$$

$$407) \text{ through: } (3, -1), \text{ slope} = 1$$

$$x - y = 4$$

$$409) \text{ through: } (4, -2), \text{ slope} = 1$$

$$x - y = 6$$

$$411) \text{ through: } (2, -3), \text{ slope} = -\frac{5}{7}$$

$$5x + 7y = -11$$

$$402) \text{ through: } (5, 1), \text{ slope} = \frac{3}{5}$$

$$3x - 5y = 10$$

$$404) \text{ through: } (3, -5), \text{ slope} = -\frac{5}{4}$$

$$5x + 4y = -5$$

$$406) \text{ through: } (4, 5), \text{ slope} = \frac{1}{2}$$

$$x - 2y = -6$$

$$408) \text{ through: } (-1, -4), \text{ slope} = 8$$

$$8x - y = -4$$

$$410) \text{ through: } (-1, -5), \text{ slope} = \frac{4}{3}$$

$$4x - 3y = 11$$

$$412) \text{ through: } (-3, 4), \text{ slope} = -\frac{2}{3}$$

$$2x + 3y = 6$$

413) through: $(-5, -2)$, slope = $-\frac{3}{5}$

$$3x + 5y = -25$$

415) through: $(3, 0)$, slope = 0

$$y = 0$$

417) through: $(-1, -5)$, slope = 9

$$9x - y = -4$$

419) through: $(4, -4)$, slope = -2

$$2x + y = 4$$

421) through: $(-2, 5)$, slope = 0

$$y = 5$$

423) through: $(5, 0)$, slope = $\frac{4}{5}$

$$4x - 5y = 20$$

425) through: $(5, -5)$, slope = undefined

$$x = 5$$

427) through: $(-3, 1)$, slope = $-\frac{2}{3}$

$$2x + 3y = -3$$

429) through: $(-1, 0)$, slope = -4

$$4x + y = -4$$

431) through: $(-5, -4)$, slope = $\frac{6}{5}$

$$6x - 5y = -10$$

433) through: $(3, 4)$, slope = $\frac{2}{3}$

$$2x - 3y = -6$$

435) through: $(3, -5)$, slope = -3

$$3x + y = 4$$

437) through: $(5, -3)$, slope = $-\frac{7}{5}$

$$7x + 5y = 20$$

414) through: $(2, -4)$, slope = -1

$$x + y = -2$$

416) through: $(-3, -2)$, slope = $\frac{7}{2}$

$$7x - 2y = -17$$

418) through: $(2, -1)$, slope = $-\frac{1}{2}$

$$x + 2y = 0$$

420) through: $(4, -5)$, slope = $-\frac{7}{6}$

$$7x + 6y = -2$$

422) through: $(3, -5)$, slope = $-\frac{10}{3}$

$$10x + 3y = 15$$

424) through: $(1, -2)$, slope = -4

$$4x + y = 2$$

426) through: $(-3, -5)$, slope = 1

$$x - y = 2$$

428) through: $(-5, 2)$, slope = $\frac{1}{5}$

$$x - 5y = -15$$

430) through: $(-4, 3)$, slope = $-\frac{1}{4}$

$$x + 4y = 8$$

432) through: $(1, -3)$, slope = -7

$$7x + y = 4$$

434) through: $(5, -1)$, slope = $-\frac{3}{8}$

$$3x + 8y = 7$$

436) through: $(-5, -5)$, slope = 2

$$2x - y = -5$$

438) through: $(-4, -3)$, slope = $-\frac{1}{4}$

$$x + 4y = -16$$

439) through: $(-1, -2)$, slope = $-\frac{1}{4}$

$$x + 4y = -9$$

441) through: $(2, 1)$, slope = -1

$$x + y = 3$$

443) through: $(1, -1)$, slope = 0

$$y = -1$$

445) through: $(1, 0)$, slope = 2

$$2x - y = 2$$

447) through: $(-1, -3)$, slope = 4

$$4x - y = -1$$

449) through: $(2, -2)$, slope = $\frac{1}{2}$

$$x - 2y = 6$$

451) through: $(2, -2)$, slope = $-\frac{1}{2}$

$$x + 2y = -2$$

453) through: $(2, -3)$, slope = 1

$$x - y = 5$$

455) through: $(-2, 1)$, slope = $\frac{3}{2}$

$$3x - 2y = -8$$

457) through: $(1, 2)$, slope = 4

$$4x - y = 2$$

459) through: $(3, 1)$, slope = undefined

$$x = 3$$

461) through: $(0, -4)$, slope = $-\frac{5}{2}$

$$5x + 2y = -8$$

463) through: $(-3, 1)$, slope = $-\frac{4}{3}$

$$4x + 3y = -9$$

440) through: $(-4, 4)$, slope = $-\frac{3}{2}$

$$3x + 2y = -4$$

442) through: $(-5, 2)$, slope = $-\frac{4}{5}$

$$4x + 5y = -10$$

444) through: $(-5, -1)$, slope = $\frac{3}{5}$

$$3x - 5y = -10$$

446) through: $(1, -1)$, slope = -5

$$5x + y = 4$$

448) through: $(-3, -3)$, slope = $\frac{4}{3}$

$$4x - 3y = -3$$

450) through: $(-5, -4)$, slope = $\frac{8}{5}$

$$8x - 5y = -20$$

452) through: $(1, -3)$, slope = $\frac{1}{6}$

$$x - 6y = 19$$

454) through: $(1, -4)$, slope = -8

$$8x + y = 4$$

456) through: $(2, -4)$, slope = $-\frac{5}{2}$

$$5x + 2y = 2$$

458) through: $(2, -3)$, slope = $-\frac{3}{2}$

$$3x + 2y = 0$$

460) through: $(5, 4)$, slope = $\frac{8}{5}$

$$8x - 5y = 20$$

462) through: $(-4, -2)$, slope = $-\frac{1}{4}$

$$x + 4y = -12$$

464) through: $(-2, 0)$, slope = $\frac{3}{2}$

$$3x - 2y = -6$$

465) through: $(-4, 4)$, slope = $-\frac{1}{8}$

$$x + 8y = 28$$

467) through: $(2, 4)$, slope = $\frac{7}{2}$

$$7x - 2y = 6$$

469) through: $(3, -1)$, slope = $-\frac{5}{3}$

$$5x + 3y = 12$$

471) through: $(-2, 4)$, slope = $-\frac{3}{2}$

$$3x + 2y = 2$$

473) through: $(4, 5)$, slope = $\frac{10}{3}$

$$10x - 3y = 25$$

475) through: $(4, 2)$, slope = $\frac{3}{2}$

$$3x - 2y = 8$$

477) through: $(-1, -4)$, slope = $\frac{7}{6}$

$$7x - 6y = 17$$

479) through: $(-1, -1)$, slope = 3

$$3x - y = -2$$

481) through: $(5, 0)$, slope = -1

$$x + y = 5$$

483) through: $(1, 4)$, slope = 8

$$8x - y = 4$$

485) through: $(-4, -4)$, slope = $\frac{1}{2}$

$$x - 2y = 4$$

487) through: $(1, 1)$, slope = $-\frac{2}{3}$

$$2x + 3y = 5$$

489) through: $(-5, 3)$, slope = -2

$$2x + y = -7$$

466) through: $(-3, -4)$, slope = 3

$$3x - y = -5$$

468) through: $(3, -4)$, slope = $-\frac{8}{3}$

$$8x + 3y = 12$$

470) through: $(1, 3)$, slope = 1

$$x - y = -2$$

472) through: $(2, 4)$, slope = $\frac{9}{2}$

$$9x - 2y = 10$$

474) through: $(1, -4)$, slope = undefined

$$x = 1$$

476) through: $(-5, -5)$, slope = $\frac{1}{5}$

$$x - 5y = 20$$

478) through: $(1, 1)$, slope = 3

$$3x - y = 2$$

480) through: $(4, -1)$, slope = $\frac{1}{4}$

$$x - 4y = 8$$

482) through: $(4, 5)$, slope = $\frac{9}{4}$

$$9x - 4y = 16$$

484) through: $(-3, 2)$, slope = $-\frac{2}{3}$

$$2x + 3y = 0$$

486) through: $(3, 3)$, slope = $\frac{8}{3}$

$$8x - 3y = 15$$

488) through: $(-1, 4)$, slope = -9

$$9x + y = -5$$

490) through: $(-5, -1)$, slope = $\frac{1}{5}$

$$x - 5y = 0$$

492) through: $(5, -5)$, slope = $-\frac{1}{4}$

$$x + 4y = -15$$

494) through: $(-5, -5)$, slope = undefined

$$x = -5$$

496) through: $(-5, 2)$, slope = $\frac{2}{5}$

$$2x - 5y = -20$$

498) through: $(-3, 0)$, slope = $\frac{1}{3}$

$$x - 3y = -3$$

500) through: $(-2, -4)$, slope = $\frac{9}{7}$

$$9x - 7y = 10$$

Write down standard from given points:

501) through: $(-4, -2)$ and $(-1, 1)$

$$x - y = -2$$

503) through: $(0, 0)$ and $(-5, -4)$

$$4x - 5y = 0$$

505) through: $(0, -4)$ and $(-2, -4)$

$$y = -4$$

507) through: $(-1, 3)$ and $(0, -3)$

$$6x + y = -3$$

509) through: $(0, -1)$ and $(2, -4)$

$$3x + 2y = -2$$

511) through: $(-1, -1)$ and $(0, 2)$

$$3x - y = -2$$

513) through: $(-1, -1)$ and $(-1, 0)$

$$x = -1$$

515) through: $(-3, 5)$ and $(-1, -3)$

$$4x + y = -7$$

517) through: $(3, 3)$ and $(-1, 1)$

$$x - 2y = -3$$

491) through: $(-1, -2)$, slope = 4

$$4x - y = -2$$

493) through: $(3, 5)$, slope = $\frac{7}{3}$

$$7x - 3y = 6$$

495) through: $(-1, -2)$, slope = -3

$$3x + y = -5$$

497) through: $(-4, 2)$, slope = $-\frac{7}{4}$

$$7x + 4y = -20$$

499) through: $(1, -4)$, slope = 9

$$9x - y = 13$$

502) through: $(-2, 4)$ and $(-5, -3)$

$$7x - 3y = -26$$

504) through: $(-1, -2)$ and $(0, -3)$

$$x + y = -3$$

506) through: $(5, -4)$ and $(-4, -5)$

$$x - 9y = 41$$

508) through: $(-4, -1)$ and $(0, 5)$

$$3x - 2y = -10$$

510) through: $(0, -3)$ and $(1, 3)$

$$6x - y = 3$$

512) through: $(-1, -2)$ and $(5, 3)$

$$5x - 6y = 7$$

514) through: $(-5, 3)$ and $(0, -1)$

$$4x + 5y = -5$$

516) through: $(-5, -2)$ and $(3, 4)$

$$3x - 4y = -7$$

518) through: $(-3, 4)$ and $(4, -5)$

$$9x + 7y = 1$$

519) through: (1, -4) and (0, 5)

$$9x + y = 5$$

521) through: (0, -2) and (-4, -1)

$$x + 4y = -8$$

523) through: (1, 5) and (4, -5)

$$10x + 3y = 25$$

525) through: (1, 5) and (0, -5)

$$10x - y = 5$$

527) through: (-4, 5) and (-2, 5)

$$y = 5$$

529) through: (-5, -3) and (-2, 1)

$$4x - 3y = -11$$

531) through: (1, 5) and (-3, 2)

$$3x - 4y = -17$$

533) through: (-2, 4) and (-4, 3)

$$x - 2y = -10$$

535) through: (3, 0) and (0, 2)

$$2x + 3y = 6$$

537) through: (-3, 5) and (3, -4)

$$3x + 2y = 1$$

539) through: (1, -4) and (-1, -1)

$$3x + 2y = -5$$

541) through: (0, -5) and (-5, -4)

$$x + 5y = -25$$

543) through: (2, -3) and (-5, -2)

$$x + 7y = -19$$

545) through: (-3, -1) and (4, -3)

$$2x + 7y = -13$$

547) through: (5, -1) and (-5, -2)

$$x - 10y = 15$$

549) through: (-2, -2) and (-5, 1)

$$x + y = -4$$

551) through: (-2, 0) and (1, -5)

$$5x + 3y = -10$$

553) through: (-1, -2) and (2, 5)

$$7x - 3y = -1$$

520) through: (5, 3) and (-1, 1)

$$x - 3y = -4$$

522) through: (1, 0) and (0, -2)

$$2x - y = 2$$

524) through: (3, -5) and (-1, 3)

$$2x + y = 1$$

526) through: (4, -2) and (1, 5)

$$7x + 3y = 22$$

528) through: (2, -4) and (-2, 4)

$$2x + y = 0$$

530) through: (-3, -2) and (0, 2)

$$4x - 3y = -6$$

532) through: (-1, -1) and (-3, -4)

$$3x - 2y = -1$$

534) through: (5, 2) and (-1, -5)

$$7x - 6y = 23$$

536) through: (0, 4) and (4, -3)

$$7x + 4y = 16$$

538) through: (-3, 5) and (3, 1)

$$2x + 3y = 9$$

540) through: (-3, 3) and (-3, 5)

$$x = -3$$

542) through: (2, 2) and (-2, -4)

$$3x - 2y = 2$$

544) through: (-4, 0) and (-5, 5)

$$5x + y = -20$$

546) through: (3, 1) and (-5, 1)

$$y = 1$$

548) through: (-5, -3) and (-3, -2)

$$x - 2y = 1$$

550) through: (-5, 2) and (3, -4)

$$3x + 4y = -7$$

552) through: (-1, 5) and (3, -5)

$$5x + 2y = 5$$

554) through: (3, 3) and (4, -1)

$$4x + y = 15$$

555) through: $(-3, 3)$ and $(0, -4)$

$$7x + 3y = -12$$

557) through: $(0, -5)$ and $(-2, 2)$

$$7x + 2y = -10$$

559) through: $(-3, 1)$ and $(2, -1)$

$$2x + 5y = -1$$

561) through: $(1, -2)$ and $(0, -4)$

$$2x - y = 4$$

563) through: $(4, -4)$ and $(0, 1)$

$$5x + 4y = 4$$

565) through: $(-1, 0)$ and $(4, -5)$

$$x + y = -1$$

567) through: $(0, 0)$ and $(5, 5)$

$$x - y = 0$$

569) through: $(1, 5)$ and $(0, 1)$

$$4x - y = -1$$

571) through: $(4, 0)$ and $(4, 1)$

$$x = 4$$

573) through: $(5, -2)$ and $(0, -4)$

$$2x - 5y = 20$$

575) through: $(4, 5)$ and $(-2, 0)$

$$5x - 6y = -10$$

577) through: $(4, -1)$ and $(-3, -5)$

$$4x - 7y = 23$$

579) through: $(-3, 0)$ and $(0, -1)$

$$x + 3y = -3$$

581) through: $(-1, 4)$ and $(-2, 4)$

$$y = 4$$

583) through: $(5, 1)$ and $(3, -1)$

$$x - y = 4$$

585) through: $(0, 5)$ and $(-5, -5)$

$$2x - y = -5$$

587) through: $(1, -5)$ and $(5, 2)$

$$7x - 4y = 27$$

589) through: $(-1, 3)$ and $(4, -2)$

$$x + y = 2$$

556) through: $(5, -5)$ and $(2, -2)$

$$x + y = 0$$

558) through: $(-2, -1)$ and $(2, -1)$

$$y = -1$$

560) through: $(0, 3)$ and $(-3, -4)$

$$7x - 3y = -9$$

562) through: $(0, 4)$ and $(3, 0)$

$$4x + 3y = 12$$

564) through: $(-4, 3)$ and $(-1, -1)$

$$4x + 3y = -7$$

566) through: $(-4, -2)$ and $(4, 1)$

$$3x - 8y = 4$$

568) through: $(0, -2)$ and $(3, -4)$

$$2x + 3y = -6$$

570) through: $(1, 0)$ and $(0, -3)$

$$3x - y = 3$$

572) through: $(0, 0)$ and $(-5, 4)$

$$4x + 5y = 0$$

574) through: $(4, 3)$ and $(-4, -2)$

$$5x - 8y = -4$$

576) through: $(-5, 4)$ and $(-1, -4)$

$$2x + y = -6$$

578) through: $(-4, -3)$ and $(3, 2)$

$$5x - 7y = 1$$

580) through: $(-3, -4)$ and $(1, -3)$

$$x - 4y = 13$$

582) through: $(-5, -2)$ and $(5, 1)$

$$3x - 10y = 5$$

584) through: $(1, -1)$ and $(1, -2)$

$$x = 1$$

586) through: $(3, 0)$ and $(1, 1)$

$$x + 2y = 3$$

588) through: $(4, 5)$ and $(3, 3)$

$$2x - y = 3$$

590) through: $(0, -2)$ and $(-2, 2)$

$$2x + y = -2$$

591) through: $(-2, 1)$ and $(-2, 2)$

$$x = -2$$

593) through: $(-5, 3)$ and $(0, 1)$

$$2x + 5y = 5$$

595) through: $(3, 2)$ and $(4, 1)$

$$x + y = 5$$

597) through: $(3, 2)$ and $(5, 2)$

$$y = 2$$

599) through: $(0, 0)$ and $(-3, -5)$

$$5x - 3y = 0$$

592) through: $(-2, 3)$ and $(-5, 4)$

$$x + 3y = 7$$

594) through: $(3, -2)$ and $(0, -4)$

$$2x - 3y = 12$$

596) through: $(5, 3)$ and $(-5, 1)$

$$x - 5y = -10$$

598) through: $(-2, -3)$ and $(3, 4)$

$$7x - 5y = 1$$

600) through: $(2, -3)$ and $(0, -2)$

$$x + 2y = -4$$

Write down standard form from given point and parallel linear functions:

601) through: $(3, -4)$, parallel to $x = 0$

$$x = 3$$

602) through: $(-4, 4)$, parallel to $y = -\frac{3}{2}x + 3$

$$3x + 2y = -4$$

603) through: $(3, -5)$, parallel to $y = -\frac{5}{3}x - 1$

$$5x + 3y = 0$$

604) through: $(4, -2)$, parallel to $y = -4$

$$y = -2$$

605) through: $(2, 0)$, parallel to $y = \frac{1}{2}x + 1$

$$x - 2y = 2$$

606) through: $(-1, 2)$, parallel to $y = 2x$

$$2x - y = -4$$

607) through: $(1, 4)$, parallel to $y = 2x + 3$

$$2x - y = -2$$

608) through: $(4, 1)$, parallel to $y = \frac{3}{2}x + 2$

$$3x - 2y = 10$$

609) through: $(-4, 0)$, parallel to $y = -\frac{3}{8}x$

$$3x + 8y = -12$$

610) through: $(2, -5)$, parallel to $y = -\frac{9}{2}x + 5$

$$9x + 2y = 8$$

611) through: $(-5, -1)$, parallel to $y = \frac{1}{5}x - 1$

$$x - 5y = 0$$

612) through: $(-3, 0)$, parallel to $y = -\frac{1}{3}x - 4$

$$x + 3y = -3$$

613) through: $(1, 2)$, parallel to $y = 7x - 1$

$$7x - y = 5$$

614) through: $(0, -4)$, parallel to $y = \frac{4}{5}x - 5$

$$4x - 5y = 20$$

615) through: $(-4, 0)$, parallel to $y = -x - 1$

$$x + y = -4$$

616) through: $(-4, -2)$, parallel to $x = 0$

$$x = -4$$

617) through: $(1, 0)$, parallel to $y = -4x - 5$

$$4x + y = 4$$

618) through: $(3, 2)$, parallel to $y = \frac{4}{3}x - 1$

$$4x - 3y = 6$$

619) through: $(-4, -5)$, parallel to $y = \frac{4}{3}x + 4$

$$4x - 3y = -1$$

621) through: $(5, 5)$, parallel to $y = \frac{3}{5}x - 1$

$$3x - 5y = -10$$

623) through: $(-5, -1)$, parallel to $y = \frac{4}{5}x - 1$

$$4x - 5y = -15$$

625) through: $(1, -5)$, parallel to $y = -4x - 5$

$$4x + y = -1$$

627) through: $(-2, 0)$, parallel to $y = -\frac{3}{2}x - 2$

$$3x + 2y = -6$$

629) through: $(1, 2)$, parallel to $y = \frac{7}{4}x - 1$

$$7x - 4y = -1$$

631) through: $(-3, -1)$, parallel to $x = 0$

$$x = -3$$

633) through: $(-1, 2)$, parallel to $y = -\frac{1}{2}x + 2$

$$x + 2y = 3$$

635) through: $(-3, -5)$, parallel to $y = 3$

$$y = -5$$

637) through: $(-5, -1)$, parallel to $y = -\frac{3}{5}x$

$$3x + 5y = -20$$

639) through: $(-2, -4)$, parallel to $y = \frac{3}{2}x - 3$

$$3x - 2y = 2$$

641) through: $(3, -3)$, parallel to $y = -8x - 2$

$$8x + y = 21$$

643) through: $(-3, 2)$, parallel to $y = -\frac{2}{3}x + 2$

$$2x + 3y = 0$$

620) through: $(-5, 2)$, parallel to $y = -\frac{7}{5}x + 2$

$$7x + 5y = -25$$

622) through: $(2, 0)$, parallel to $y = -\frac{1}{2}x + 4$

$$x + 2y = 2$$

624) through: $(0, 2)$, parallel to $y = 4$

$$y = 2$$

626) through: $(3, 2)$, parallel to $y = \frac{1}{3}x + 2$

$$x - 3y = -3$$

628) through: $(4, 5)$, parallel to $y = \frac{1}{4}x$

$$x - 4y = -16$$

630) through: $(-5, 5)$, parallel to $y = -\frac{7}{5}x - 3$

$$7x + 5y = -10$$

632) through: $(5, 4)$, parallel to $y = \frac{8}{5}x + 1$

$$8x - 5y = 20$$

634) through: $(-4, 2)$, parallel to $y = \frac{3}{4}x - 5$

$$3x - 4y = -20$$

636) through: $(-2, 2)$, parallel to $y = -x + 1$

$$x + y = 0$$

638) through: $(-1, 5)$, parallel to $y = -4x$

$$4x + y = 1$$

640) through: $(2, 2)$, parallel to $y = 4x - 3$

$$4x - y = 6$$

642) through: $(-3, 5)$, parallel to $y = -\frac{8}{3}x - 2$

$$8x + 3y = -9$$

644) through: $(-1, 3)$, parallel to $y = -8x + 5$

$$8x + y = -5$$

645) through: $(-1, -4)$, parallel to $y = -\frac{7}{3}x - 1$

$$7x + 3y = -19$$

647) through: $(-5, 5)$, parallel to $y = -\frac{2}{3}x + 5$

$$2x + 3y = 5$$

649) through: $(-5, 4)$, parallel to $y = -\frac{2}{5}x + 5$

$$2x + 5y = 10$$

651) through: $(-2, 3)$, parallel to $y = -\frac{7}{2}x$

$$7x + 2y = -8$$

653) through: $(-4, -3)$, parallel to $y = \frac{7}{3}x + 2$

$$7x - 3y = -19$$

655) through: $(-4, 4)$, parallel to $y = -\frac{5}{4}x$

$$5x + 4y = -4$$

657) through: $(-4, -2)$, parallel to $y = \frac{3}{4}x - 3$

$$3x - 4y = -4$$

659) through: $(4, -2)$, parallel to $y = \frac{1}{4}x$

$$x - 4y = 12$$

661) through: $(-1, -1)$, parallel to $y = 5x + 1$

$$5x - y = -4$$

663) through: $(5, -2)$, parallel to $y = -\frac{7}{5}x + 3$

$$7x + 5y = 25$$

665) through: $(-2, 5)$, parallel to $y = -\frac{5}{7}x + 1$

$$5x + 7y = 25$$

667) through: $(-5, -2)$, parallel to $y = \frac{7}{4}x + 3$

$$7x - 4y = -27$$

669) through: $(-2, -4)$, parallel to $y = \frac{1}{2}x + 1$

$$x - 2y = 6$$

646) through: $(4, 0)$, parallel to $y = -x - 3$
 $x + y = 4$

648) through: $(2, 3)$, parallel to $y = 1$
 $y = 3$

650) through: $(3, 2)$, parallel to $y = \frac{2}{3}x - 3$

$$2x - 3y = 0$$

652) through: $(1, 3)$, parallel to $y = x - 1$
 $x - y = -2$

654) through: $(5, -3)$, parallel to $y = -2x - 3$
 $2x + y = 7$

656) through: $(-2, 4)$, parallel to $y = -\frac{1}{2}x - 5$

$$x + 2y = 6$$

658) through: $(-5, -4)$, parallel to $y = \frac{6}{5}x$

$$6x - 5y = -10$$

660) through: $(4, 5)$, parallel to $y = \frac{7}{4}x - 1$

$$7x - 4y = 8$$

662) through: $(1, 0)$, parallel to $y = -5x + 3$
 $5x + y = 5$

664) through: $(-1, -5)$, parallel to $y = 4x - 4$
 $4x - y = 1$

666) through: $(-1, 2)$, parallel to $y = -\frac{7}{5}x - 2$

$$7x + 5y = 3$$

668) through: $(-3, 2)$, parallel to $y = -2x - 2$
 $2x + y = -4$

670) through: $(3, -1)$, parallel to $y = -\frac{4}{3}x + 4$

$$4x + 3y = 9$$

671) through: (4, -3), parallel to $y = -\frac{3}{4}x - 5$

$$3x + 4y = 0$$

673) through: (-1, 2), parallel to $y = -x + 2$

$$x + y = 1$$

675) through: (1, -2), parallel to $y = -2x - 5$

$$2x + y = 0$$

677) through: (0, -1), parallel to $y = 6x$

$$6x - y = 1$$

679) through: (-3, -1), parallel to $y = \frac{2}{3}x - 5$

$$2x - 3y = -3$$

681) through: (-2, -4), parallel to $y = \frac{5}{2}x - 4$

$$5x - 2y = -2$$

683) through: (4, -5), parallel to $y = -\frac{7}{2}x + 4$

$$7x + 2y = 18$$

685) through: (-1, 2), parallel to $y = 7x$

$$7x - y = -9$$

687) through: (-2, -3), parallel to $y = x + 2$

$$x - y = 1$$

689) through: (-1, -1), parallel to $y = 6x + 2$

$$6x - y = -5$$

691) through: (-3, 1), parallel to $y = -\frac{1}{3}x - 5$

$$x + 3y = 0$$

693) through: (-5, 5), parallel to $y = -\frac{8}{5}x$

$$8x + 5y = -15$$

695) through: (-2, 1), parallel to $y = -3x + 1$

$$3x + y = -5$$

697) through: (-2, -1), parallel to $y = 2x - 1$

$$2x - y = -3$$

672) through: (1, -1), parallel to $y = -4x$

$$4x + y = 3$$

674) through: (-1, 3), parallel to $y = x - 3$

$$x - y = -4$$

676) through: (-5, 3), parallel to $y = \frac{2}{5}x + 1$

$$2x - 5y = -25$$

678) through: (3, -2), parallel to $y = -\frac{4}{3}x$

$$4x + 3y = 6$$

680) through: (-5, -3), parallel to $y = \frac{3}{5}x - 3$

$$3x - 5y = 0$$

682) through: (3, -5), parallel to $y = -3x + 1$

$$3x + y = 4$$

684) through: (1, -2), parallel to $y = -3x - 4$

$$3x + y = 1$$

686) through: (1, 1), parallel to $y = -4x + 3$

$$4x + y = 5$$

688) through: (-3, -3), parallel to $y = \frac{8}{3}x + 1$

$$8x - 3y = -15$$

690) through: (5, 3), parallel to $x = 0$

$$x = 5$$

692) through: (-5, 2), parallel to $y = -\frac{2}{5}x + 5$

$$2x + 5y = 0$$

694) through: (4, -2), parallel to $x = 0$

$$x = 4$$

696) through: (-4, 4), parallel to $y = -\frac{1}{4}x - 3$

$$x + 4y = 12$$

698) through: (2, -4), parallel to $y = -5$

$$y = -4$$

699) through: (2, 3), parallel to $y = -x + 4$
 $x + y = 5$

700) through: (5, 2), parallel to $y = \frac{4}{5}x + 1$

$$4x - 5y = 10$$

Write down slope-intercept from given point and perpendicular function:

701) through: (3, -3), perp. to $y = \frac{3}{4}x - 2$ $y = -\frac{4}{3}x + 1$ 702) through: (-1, -5), perp. to $y = -x - 2$
 $y = x - 4$

703) through: (1, 2), perp. to $y = -\frac{1}{6}x + 4$

$$y = 6x - 4$$

704) through: (5, -3), perp. to $y = x - 1$

$$y = -x + 2$$

705) through: (2, -1), perp. to $y = \frac{1}{3}x$

$$y = -3x + 5$$

706) through: (-3, -1), perp. to $y = -5$

$$x = -3$$

707) through: (-4, -1), perp. to $y = -\frac{6}{5}x - 4$ $y = \frac{5}{6}x + \frac{7}{3}$ 708) through: (-3, 0), perp. to $y = -x + 1$
 $y = x + 3$

709) through: (-1, 3), perp. to $y = -x + 2$

$$y = x + 4$$

710) through: (3, 4), perp. to $y = -\frac{3}{7}x - 4$ $y = \frac{7}{3}x - 3$

711) through: (4, -1), perp. to $y = -2x - 3$ $y = \frac{1}{2}x - 3$ 712) through: (5, 4), perp. to $y = -\frac{8}{3}x - 4$ $y = \frac{3}{8}x + \frac{17}{8}$

713) through: (2, -5), perp. to $y = \frac{2}{7}x - 3$ $y = -\frac{7}{2}x + 2$ 714) through: (-4, -5), perp. to $y = -4x - 2$ $y = \frac{1}{4}x - 4$

715) through: (-2, 2), perp. to $y = 2x - 1$ $y = -\frac{1}{2}x + 1$ 716) through: (1, -5), perp. to $y = \frac{1}{7}x + 5$

$$y = -7x + 2$$

717) through: (5, -2), perp. to $y = \frac{5}{3}x + 1$ $y = -\frac{3}{5}x + 1$ 718) through: (-1, 5), perp. to $y = \frac{1}{6}x - 5$

$$y = -6x - 1$$

719) through: (2, 2), perp. to $y = x + 4$

$$y = -x + 4$$

720) through: (-4, 3), perp. to $y = \frac{4}{5}x + 2$ $y = -\frac{5}{4}x - 2$

721) through: (5, -4), perp. to $y = \frac{5}{4}x + 5$ $y = -\frac{4}{5}x$ 722) through: (-5, -5), perp. to $y = -\frac{5}{3}x$ $y = \frac{3}{5}x - 2$

723) through: (5, -1), perp. to $y = \frac{5}{2}x + 5$ $y = -\frac{2}{5}x + 1$ 724) through: (1, 5), perp. to $y = \frac{1}{4}x - 3$

$$y = -4x + 9$$

725) through: (2, 4), perp. to $y = -\frac{2}{7}x + 5$ $y = \frac{7}{2}x - 3$ 726) through: (-1, 4), perp. to $y = \frac{5}{2}x - 5$ $y = -\frac{2}{5}x + \frac{18}{5}$

727) through: (5, 4), perp. to $y = -4x - 3$ $y = \frac{1}{4}x + \frac{11}{4}$ 728) through: (-1, 0), perp. to $y = -\frac{1}{4}x + 2$

$$y = 4x + 4$$

729) through: (5, -5), perp. to $y = \frac{5}{3}x + 2$ $y = -\frac{3}{5}x - 2$ 730) through: (4, -4), perp. to $y = \frac{2}{3}x - 5$ $y = -\frac{3}{2}x + 2$

731) through: (5, 5), perp. to $y = -\frac{5}{4}x - 4$ $y = \frac{4}{5}x + 1$ 732) through: (5, -3), perp. to $y = \frac{5}{6}x + 1$ $y = -\frac{6}{5}x + 3$

733) through: (-5, 2), perp. to $y = \frac{1}{7}x + 1$

734) through: (4, -5), perp. to $y = 2x - 1$ $y = -\frac{1}{2}x - 3$

$$y = -7x - 33$$

735) through: (-2, 2), perp. to $y = -\frac{3}{2}x - 5$ $y = \frac{2}{3}x + \frac{10}{3}$ 736) through: (5, -2), perp. to $y = \frac{5}{7}x$ $y = -\frac{7}{5}x + 5$

737) through: (1, -1), perp. to $y = x - 4$

$$y = -x$$

738) through: (-2, -1), perp. to $y = -\frac{1}{3}x + 2$

$$y = 3x + 5$$

739) through: (1, -3), perp. to $y = \frac{1}{5}x$

$$y = -5x + 2$$

740) through: (1, 4), perp. to $x = 0$

$$y = 4$$

741) through: (2, -4), perp. to $y = \frac{1}{3}x$

$$y = -3x + 2$$

742) through: (1, 1), perp. to $y = -\frac{1}{3}x - 4$

$$y = 3x - 2$$

743) through: (-4, 5), perp. to $y = -2$

$$x = -4$$

744) through: (1, -3), perp. to $y = \frac{1}{4}x + 1$

$$y = -4x + 1$$

745) through: (-2, -1), perp. to $y = x$

$$y = -x - 3$$

746) through: (2, -3), perp. to $y = \frac{2}{5}x + 4$ $y = -\frac{5}{2}x + 2$

747) through: (-5, -2), perp. to $x = 0$

$$y = -2$$

748) through: (2, 3), perp. to $y = -\frac{3}{5}x + 4$ $y = \frac{5}{3}x - \frac{1}{3}$ 749) through: (-4, -4), perp. to $y = -x + 4$
 $y = x$

750) through: (-3, 1), perp. to $y = -\frac{3}{2}x + 5$ $y = \frac{2}{3}x + 3$ 751) through: (5, 4), perp. to $y = -\frac{8}{7}x + 5$ $y = \frac{7}{8}x - \frac{3}{8}$

752) through: (-4, 4), perp. to $y = \frac{4}{3}x - 4$ $y = -\frac{3}{4}x + 1$ 753) through: (5, -5), perp. to $y = 0$
 $x = 5$

754) through: (1, -2), perp. to $y = -\frac{1}{3}x + 5$ 755) through: (-2, -2), perp. to $y = -\frac{1}{3}x + 4$

$y = 3x - 5$

$y = 3x + 4$

756) through: (2, 2), perp. to $y = -\frac{1}{2}x + 4$

757) through: (3, -3), perp. to $y = \frac{3}{5}x - 2$ $y = -\frac{5}{3}x + 2$

$y = 2x - 2$

758) through: (-3, 1), perp. to $y = -\frac{3}{4}x$ $y = \frac{4}{3}x + 5$

759) through: (3, 5), perp. to $y = -x + 5$
 $y = x + 2$

760) through: (-1, 4), perp. to $y = \frac{1}{8}x$

761) through: (4, -4), perp. to $y = \frac{4}{5}x + 5$ $y = -\frac{5}{4}x + 1$

$y = -8x - 4$

762) through: (-1, 5), perp. to $y = \frac{3}{7}x + 3$ $y = -\frac{7}{3}x + \frac{8}{3}$ 763) through: (-5, -5), perp. to $x = 0$
 $y = -5$

764) through: (4, 3), perp. to $y = -\frac{4}{5}x + 2$ $y = \frac{5}{4}x - 2$ 765) through: (-2, 2), perp. to $y = \frac{2}{3}x - 2$ $y = -\frac{3}{2}x - 1$

766) through: (-1, -4), perp. to $y = -\frac{1}{7}x$

767) through: (-1, 1), perp. to $x = 0$
 $y = 1$

$y = 7x + 3$

768) through: (5, 0), perp. to $y = -5x - 1$ $y = \frac{1}{5}x - 1$ 769) through: (-4, 0), perp. to $y = 8x - 5$ $y = -\frac{1}{8}x - \frac{1}{2}$

770) through: (2, -3), perp. to $y = -2x - 1$ $y = \frac{1}{2}x - 4$

771) through: (-1, 4), perp. to $y = \frac{1}{3}x - 1$

$y = -3x + 1$

772) through: (1, 2), perp. to $y = -\frac{1}{5}x - 4$

773) through: (-5, 3), perp. to $y = -\frac{5}{2}x + 1$ $y = \frac{2}{5}x + 5$

$y = 5x - 3$

- 774) through: (4, 5), perp. to $y = -\frac{2}{3}x - 2$ $y = \frac{3}{2}x - 1$
- 775) through: (4, 3), perp. to $x = 0$
 $y = 3$
- 776) through: (-2, 1), perp. to $y = -2$
 $x = -2$
- 777) through: (-5, -2), perp. to $y = -\frac{5}{7}x + 1$ $y = \frac{7}{5}x + 5$
- 778) through: (-4, -4), perp. to $y = -3x - 1$ $y = \frac{1}{3}x - \frac{8}{3}$
- 779) through: (-2, 3), perp. to $y = -x + 5$
 $y = x + 5$
- 780) through: (-5, 2), perp. to $y = 5x + 5$ $y = -\frac{1}{5}x + 1$
- 781) through: (4, -2), perp. to $y = \frac{4}{5}x + 4$ $y = -\frac{5}{4}x + 3$
- 782) through: (3, -3), perp. to $y = 0$
 $x = 3$
- 783) through: (2, 4), perp. to $y = -\frac{2}{9}x$ $y = \frac{9}{2}x - 5$
- 784) through: (4, 1), perp. to $y = 9x$ $y = -\frac{1}{9}x + \frac{13}{9}$
- 785) through: (-4, -2), perp. to $y = 2x$ $y = -\frac{1}{2}x - 4$
- 786) through: (-2, 3), perp. to $y = x + 2$
 $y = -x + 1$
- 787) through: (2, -5), perp. to $y = \frac{2}{5}x - 3$ $y = -\frac{5}{2}x$
- 788) through: (1, 4), perp. to $y = -\frac{1}{5}x - 4$
 $y = 5x - 1$
- 789) through: (-2, 5), perp. to $y = 2x - 4$ $y = -\frac{1}{2}x + 4$
- 790) through: (-1, 3), perp. to $y = \frac{1}{3}x - 3$
 $y = -3x$
- 791) through: (1, -5), perp. to $y = \frac{1}{8}x + 5$
 $y = -8x + 3$
- 792) through: (-4, 1), perp. to $y = \frac{5}{4}x - 2$ $y = -\frac{4}{5}x - \frac{11}{5}$
- 793) through: (-5, -4), perp. to $y = -\frac{5}{2}x - 2$ $y = \frac{2}{5}x - 2$
- 794) through: (1, -2), perp. to $y = \frac{1}{6}x + 1$
 $y = -6x + 4$
- 795) through: (4, 2), perp. to $y = -3$
 $x = 4$
- 796) through: (-5, 3), perp. to $y = -3$
 $x = -5$
- 797) through: (-4, 3), perp. to $y = 4x$ $y = -\frac{1}{4}x + 2$
- 798) through: (3, 4), perp. to $y = -\frac{3}{8}x + 5$ $y = \frac{8}{3}x - 4$
- 799) through: (-1, -3), perp. to $y = -\frac{1}{4}x + 2$
 $y = 4x + 1$
- 800) through: (-5, 3), perp. to $y = x - 5$
 $y = -x - 2$