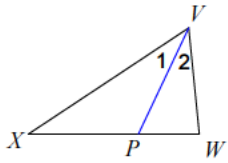


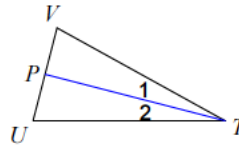
Properties of triangles - Angle bisectors & angle measure

Find an angle measure:

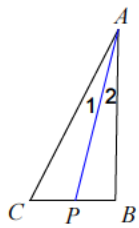
1) $m\angle XVW = 62^\circ$. Find $m\angle 2$.



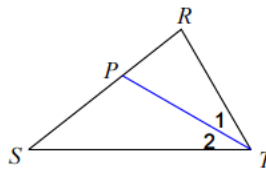
2) $m\angle VTU = 28^\circ$. Find $m\angle 2$.



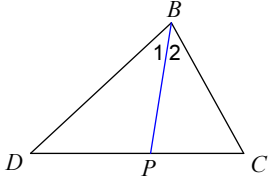
3) $m\angle CAB = 26^\circ$. Find $m\angle 2$.



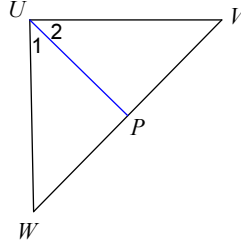
4) $m\angle RTS = 60^\circ$. Find $m\angle 1$.



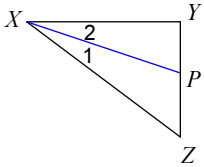
5) Find $m\angle DBC$ if $m\angle 2 = 38^\circ$.



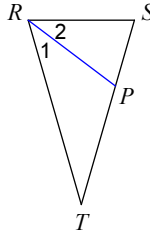
6) Find $m\angle 1$ if $m\angle WUV = 88^\circ$.



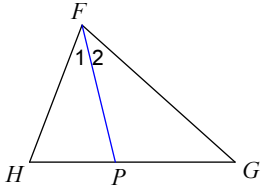
7) $m\angle 2 = 18^\circ$. Find $m\angle ZXY$.



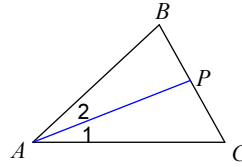
8) Find $m\angle 2$ if $m\angle 1 = 37^\circ$.



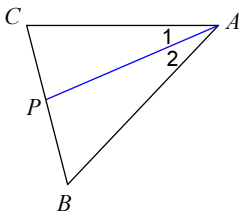
9) Find $m\angle HFG$ if $m\angle 2 = 34^\circ$.



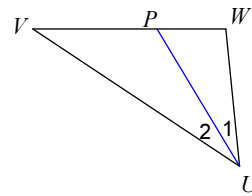
10) $m\angle CAB = 42^\circ$. Find $m\angle 2$.



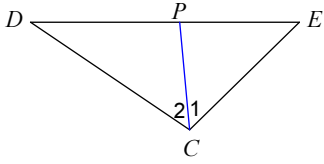
11) $m\angle CAB = 46^\circ$. Find $m\angle 1$.



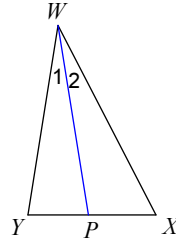
12) $m\angle WUV = 50^\circ$. Find $m\angle 1$.



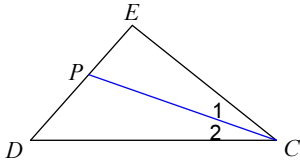
13) Find $m\angle 1$ if $m\angle ECD = 102^\circ$.



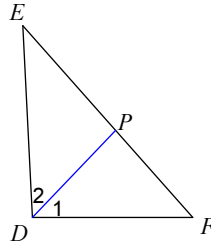
14) $m\angle YWX = 36^\circ$. Find $m\angle 2$.



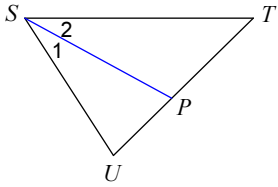
15) Find $m\angle ECD$ if $m\angle 1 = 19^\circ$.



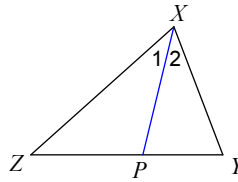
16) $m\angle FDE = 92^\circ$. Find $m\angle 2$.



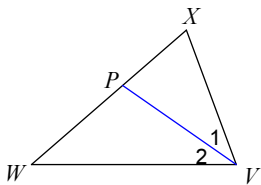
17) Find $m\angle 1$ if $m\angle UST = 56^\circ$.



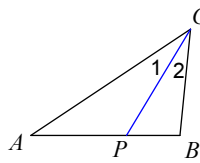
18) $m\angle ZXY = 68^\circ$. Find $m\angle 1$.



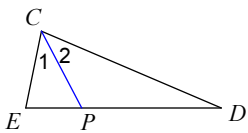
19) Find $m\angle 1$ if $m\angle 2 = 35^\circ$.



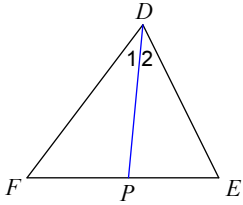
20) $m\angle 1 = 25^\circ$. Find $m\angle ACB$.



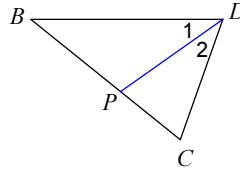
21) $m\angle 2 = 39^\circ$. Find $m\angle 1$.



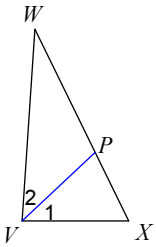
22) Find $m\angle 2$ if $m\angle 1 = 32^\circ$.



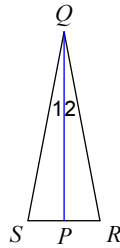
23) $m\angle BDC = 70^\circ$. Find $m\angle 1$.



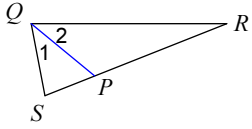
24) $m\angle XVW = 86^\circ$. Find $m\angle 1$.



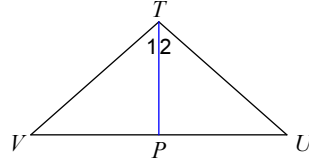
25) Find $m\angle 1$ if $m\angle SQR = 22^\circ$.



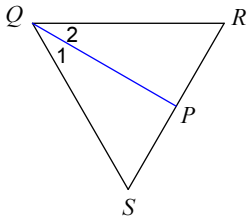
26) $m\angle 1 = 39^\circ$. Find $m\angle SQR$.



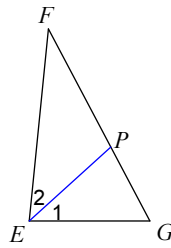
27) $m\angle 2 = 48^\circ$. Find $m\angle VTU$.



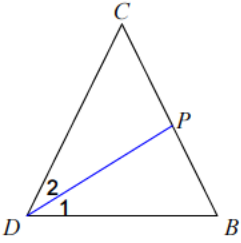
28) $m\angle 2 = 30^\circ$. Find $m\angle SQR$.



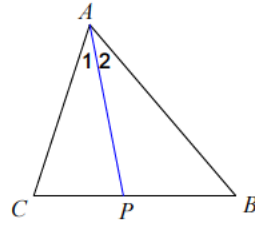
29) $m\angle 1 = 42^\circ$. Find $m\angle 2$.



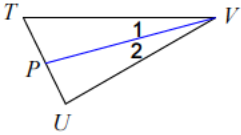
30) $m\angle 2 = 32^\circ$. Find $m\angle BDC$.



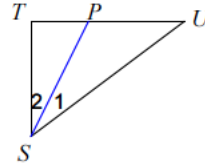
31) Find $m\angle 2$ if $m\angle CAB = 58^\circ$.



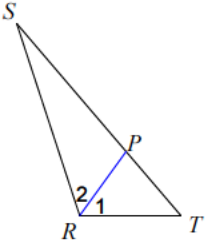
32) Find $m\angle 1$ if $m\angle 2 = 15^\circ$.



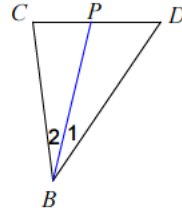
33) $m\angle UST = 52^\circ$. Find $m\angle 2$.



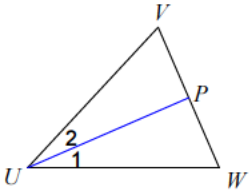
34) $m\angle 2 = 54^\circ$. Find $m\angle 1$.



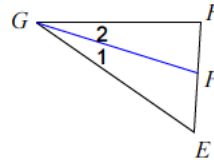
35) Find $m\angle 2$ if $m\angle DBC = 40^\circ$.



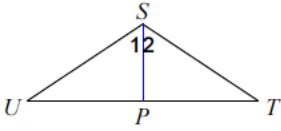
36) Find $m\angle 2$ if $m\angle 1 = 23^\circ$.



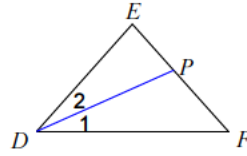
37) Find $m\angle EGF$ if $m\angle 1 = 17^\circ$.



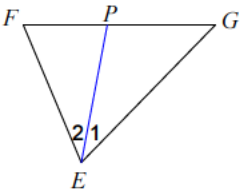
38) Find $m\angle 1$ if $m\angle UST = 112^\circ$.



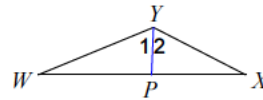
39) $m\angle 1 = 24^\circ$. Find $m\angle FDE$.



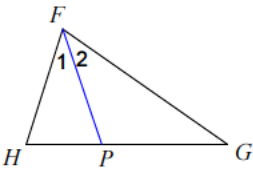
40) Find $m\angle 2$ if $m\angle 1 = 33^\circ$.



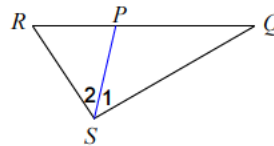
41) $m\angle WYX = 130^\circ$. Find $m\angle 2$.



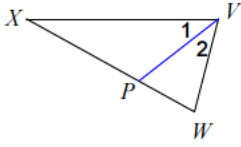
42) Find $m\angle 1$ if $m\angle 2 = 36^\circ$.



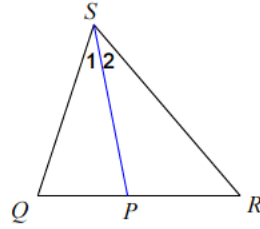
43) $m\angle QSR = 94^\circ$. Find $m\angle 2$.



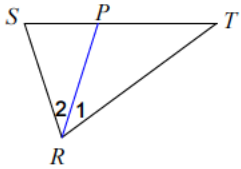
44) $m\angle XVW = 76^\circ$. Find $m\angle 2$.



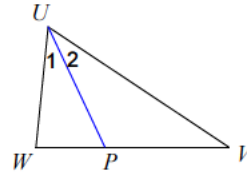
45) $m\angle 1 = 29^\circ$. Find $m\angle QSR$.



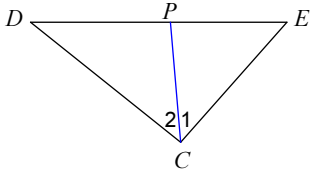
46) Find $m\angle TRS$ if $m\angle 1 = 36^\circ$.



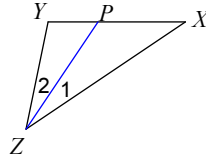
47) $m\angle 2 = 31^\circ$. Find $m\angle WUV$.



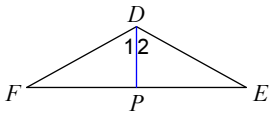
48) Find $m\angle ECD$ if $m\angle 1 = 46^\circ$.



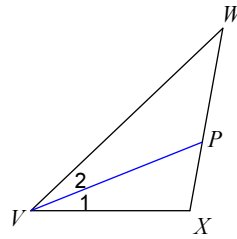
49) Find $m\angle XZY$ if $m\angle 1 = 22^\circ$.



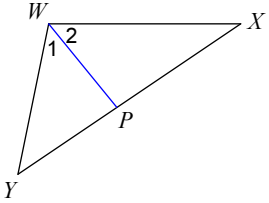
50) $m\angle 1 = 61^\circ$. Find $m\angle FDE$.



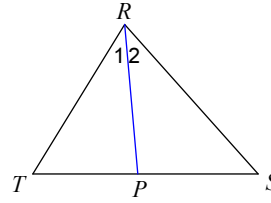
51) $m\angle XVW = 44^\circ$. Find $m\angle 2$.



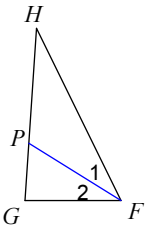
52) Find $m\angle 2$ if $m\angle 1 = 51^\circ$.



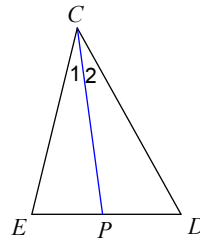
53) $m\angle TRS = 72^\circ$. Find $m\angle 2$.



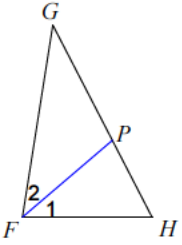
54) Find $m\angle 2$ if $m\angle HFG = 64^\circ$.



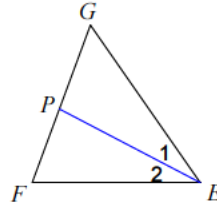
55) $m\angle I = 21^\circ$. Find $m\angle ECD$.



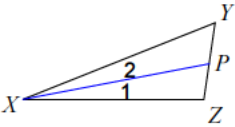
56) Find $m\angle 1$ if $m\angle HFG = 80^\circ$.



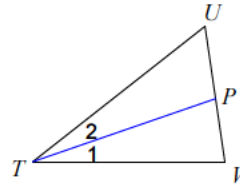
57) Find $m\angle 1$ if $m\angle GEF = 54^\circ$.



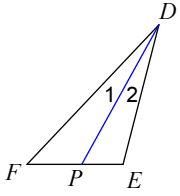
58) Find $m\angle ZXY$ if $m\angle 2 = 11^\circ$.



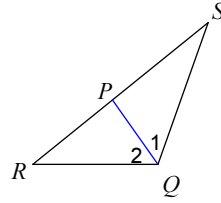
59) Find $m\angle 2$ if $m\angle VTU = 38^\circ$.



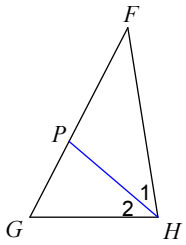
60) $m\angle 1 = 14^\circ$. Find $m\angle 2$.



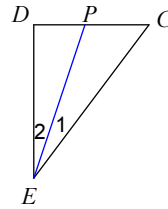
61) $m\angle SQR = 108^\circ$. Find $m\angle 2$.



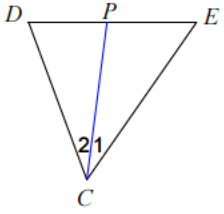
62) $m\angle 1 = 40^\circ$. Find $m\angle 2$.



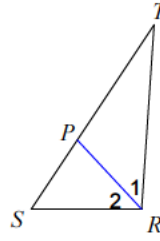
63) Find $m\angle 1$ if $m\angle 2 = 18^\circ$.



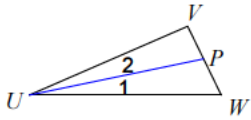
64) $m\angle 2 = 27^\circ$. Find $m\angle ECD$.



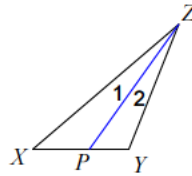
65) Find $m\angle TRS$ if $m\angle 2 = 47^\circ$.



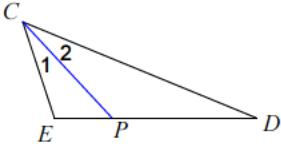
66) Find $m\angle WUV$ if $m\angle 1 = 12^\circ$.



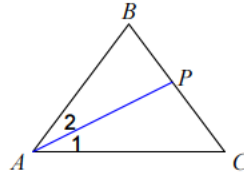
67) Find $m\angle XZY$ if $m\angle 2 = 14^\circ$.



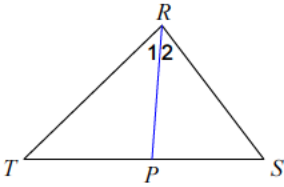
68) $m\angle 2 = 24^\circ$. Find $m\angle 1$.



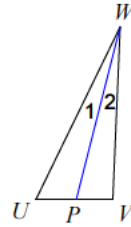
69) Find $m\angle CAB$ if $m\angle 2 = 26^\circ$.



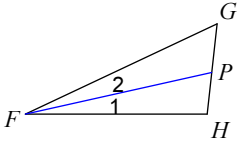
70) Find $m\angle 2$ if $m\angle TRS = 82^\circ$.



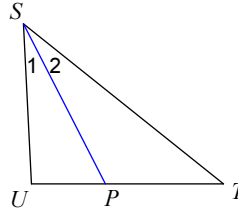
71) Find $m\angle 2$ if $m\angle 1 = 12^\circ$.



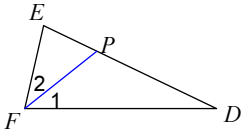
72) $m\angle HFG = 24^\circ$. Find $m\angle 2$.



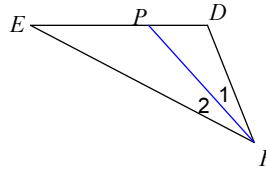
73) Find $m\angle 1$ if $m\angle UST = 48^\circ$.



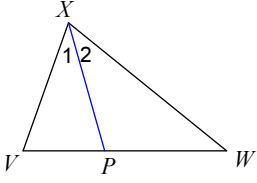
74) Find $m\angle 2$ if $m\angle 1 = 38^\circ$.



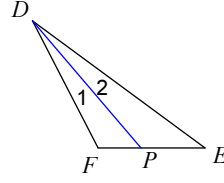
75) $m\angle 1 = 20^\circ$. Find $m\angle DFE$.



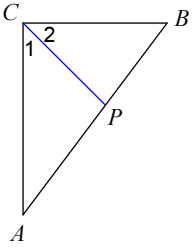
76) Find $m\angle VXW$ if $m\angle 2 = 35^\circ$.



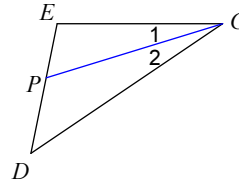
77) $m\angle 1 = 13^\circ$. Find $m\angle 2$.



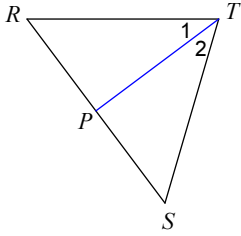
78) Find $m\angle 2$ if $m\angle ACB = 90^\circ$.



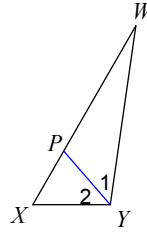
79) Find $m\angle 2$ if $m\angle 1 = 17^\circ$.



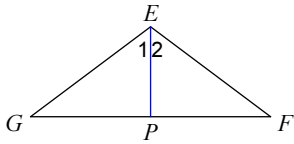
80) $m\angle RTS = 74^\circ$. Find $m\angle 1$.



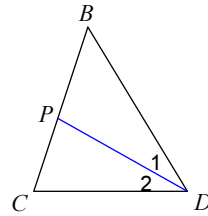
81) Find $m\angle 2$ if $m\angle 1 = 49^\circ$.



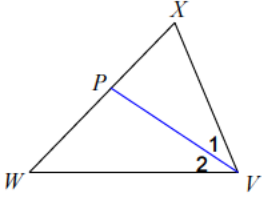
82) Find $m\angle 1$ if $m\angle GEF = 106^\circ$.



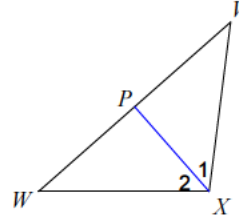
83) $m\angle 1 = 29^\circ$. Find $m\angle 2$.



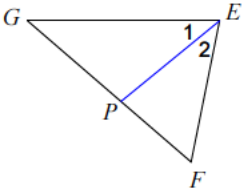
84) Find $m\angle 1$ if $m\angle XVW = 66^\circ$.



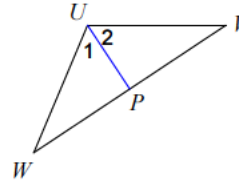
85) Find $m\angle 2$ if $m\angle VXW = 96^\circ$.



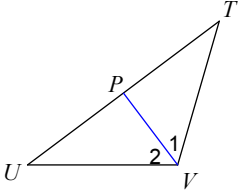
86) Find $m\angle 2$ if $m\angle GEF = 78^\circ$.



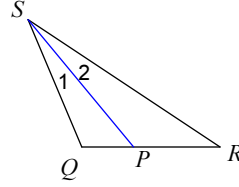
87) $m\angle 1 = 56^\circ$. Find $m\angle WUV$.



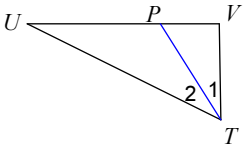
88) Find $m\angle TVU$ if $m\angle 1 = 53^\circ$.



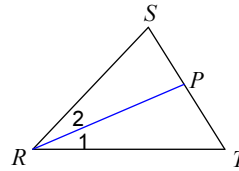
89) $m\angle QSR = 34^\circ$. Find $m\angle 2$.



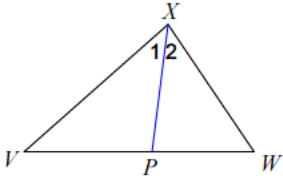
90) Find $m\angle 2$ if $m\angle 1 = 31^\circ$.



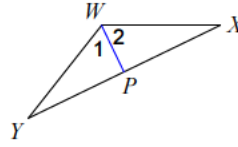
91) $m\angle 1 = 23^\circ$. Find $m\angle TRS$.



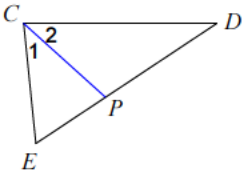
92) $m\angle 2 = 41^\circ$. Find $m\angle VXW$.



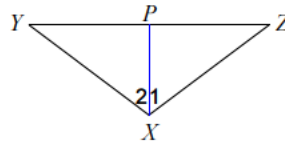
93) $m\angle 1 = 64^\circ$. Find $m\angle YWX$.



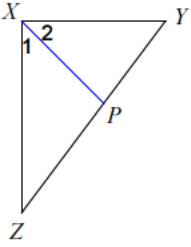
94) Find $m\angle 1$ if $m\angle ECD = 84^\circ$.



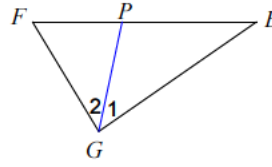
95) $m\angle 1 = 53^\circ$. Find $m\angle 2$.



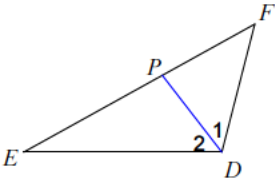
96) Find $m\angle ZXY$ if $m\angle 1 = 45^\circ$.



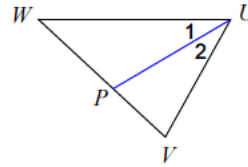
97) Find $m\angle 1$ if $m\angle 2 = 43^\circ$.



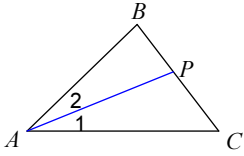
98) $m\angle 2 = 52^\circ$. Find $m\angle FDE$.



99) $m\angle 1 = 30^\circ$. Find $m\angle 2$.

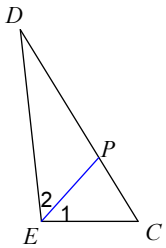


100) $m\angle 1 = 22^\circ$. Find $m\angle 2$.

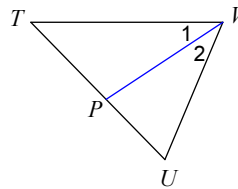


Solve x:

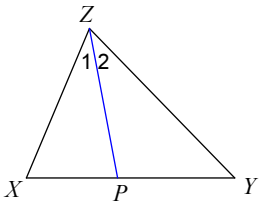
101) $m\angle 1 = 17x - 3$ and $m\angle 2 = 16x$.
Find x .



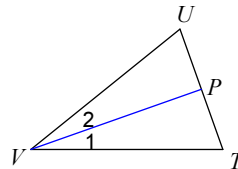
102) Find x if $m\angle 2 = 4x + 1$ and $m\angle 1 = 3x + 9$.



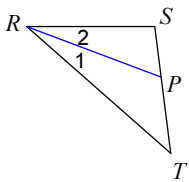
103) $m\angle 1 = 9x - 3$ and $m\angle XZY = 17x - 2$.
Find x .



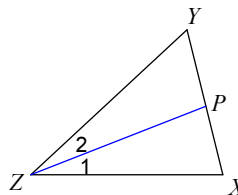
104) Find x if $m\angle 1 = 4x + 3$ and $m\angle TVU = -2 + 10x$.



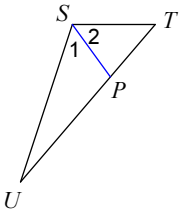
105) Find x if $m\angle 2 = 2x + 6$ and $m\angle TRS = 5x + 5$.



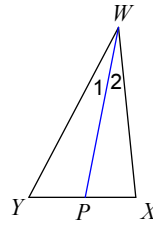
106) $m\angle 2 = 4x - 3$ and $m\angle XZY = 6x + 6$.
Find x .



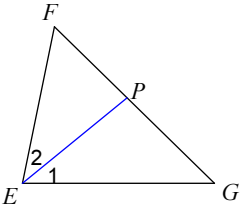
- 107) Find x if $m\angle 1 = 14x - 2$ and $m\angle UST = 27x$.



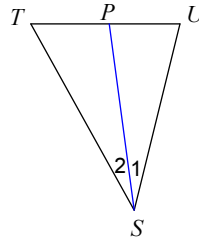
- 108) $m\angle 2 = 4x - 3$ and $m\angle 1 = 3x + 2$. Find x .



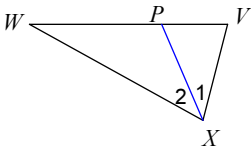
- 109) Find x if $m\angle 1 = 9x + 3$ and $m\angle 2 = 8x + 7$.



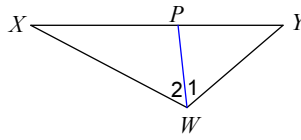
- 110) Find x if $m\angle 1 = 3x - 3$ and $m\angle 2 = x + 13$.



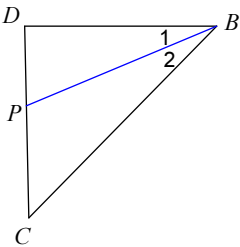
- 111) Find x if $m\angle 2 = 7x - 4$ and $m\angle VXW = 13x - 2$.



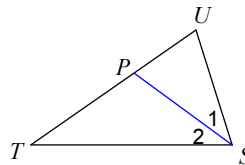
- 112) $m\angle 2 = 12x - 4$ and $m\angle YWX = 22x + 2$. Find x .



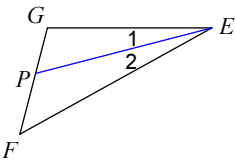
- 113) $m\angle 1 = 2x + 9$ and $m\angle 2 = 4x - 5$. Find x .



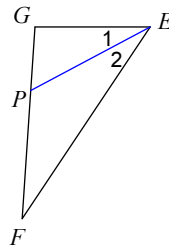
- 114) $m\angle 2 = 8x - 4$ and $m\angle UST = 15x - 3$. Find x .



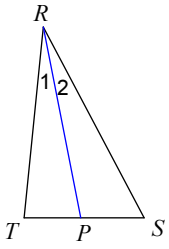
- 115) $m\angle 2 = 2x + 4$ and $m\angle 1 = x + 9$. Find x .



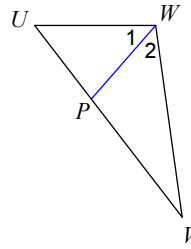
- 116) $m\angle 2 = 12 + 2x$ and $m\angle GEF = 6x + 8$. Find x .



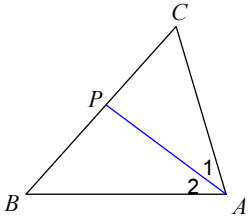
- 117) Find x if $m\angle 1 = 2x + 3$ and $m\angle 2 = x + 10$.



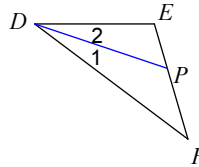
- 118) Find x if $m\angle 2 = -5 + 9x$ and $m\angle UWP = 16x + 2$.



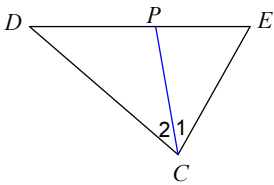
- 119) $m\angle 2 = 35x + 1$ and $m\angle 1 = 37x - 1$. Find x .



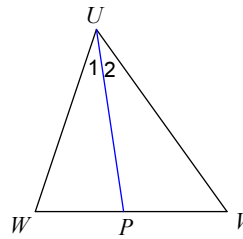
- 120) $m\angle 1 = 7x - 3$ and $m\angle FDE = 12x$. Find x .



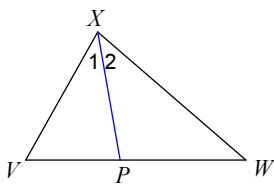
- 121) Find x if $m\angle 2 = 7x - 3$ and $m\angle ECD = 13x$.



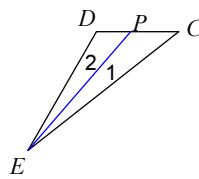
- 122) $m\angle 1 = 4x - 5$ and $m\angle 2 = 3x + 3$. Find x .



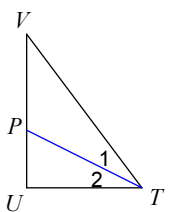
- 123) $m\angle 1 = 6x + 9$ and $m\angle VXXW = -2 + 16x$. Find x .



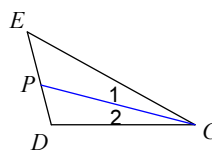
- 124) $m\angle 1 = -1 + 12x$ and $m\angle 2 = 11x$. Find x .



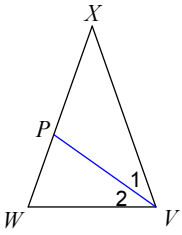
- 125) Find x if $m\angle 2 = 1 + 25x$ and $m\angle VTU = 53x - 1$.



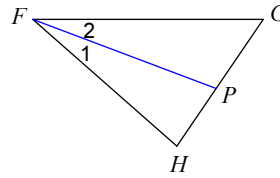
- 126) Find x if $m\angle 1 = x + 6$ and $m\angle ECD = 4x - 4$.



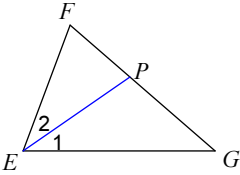
- 127) $m\angle 1 = 34x + 1$ and $m\angle 2 = 35x$.
Find x .



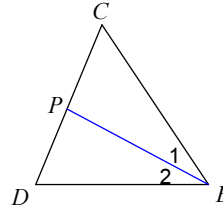
- 128) $m\angle 1 = 11x - 2$ and $m\angle 2 = 9x + 2$.
Find x .



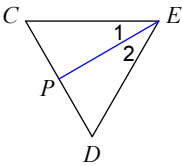
- 129) $m\angle 1 = 11 + 4x$ and $m\angle GEF = 12x - 2$.
Find x .



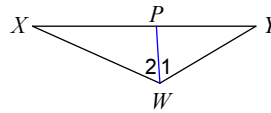
- 130) $m\angle 1 = 4x - 4$ and $m\angle 2 = 2x + 12$.
Find x .



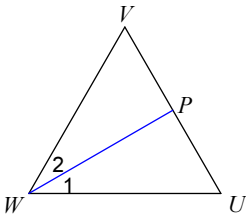
- 131) Find x if $m\angle 1 = 8x - 2$ and $m\angle CED = 14x + 4$.



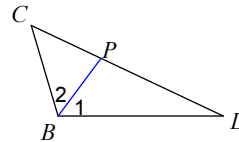
- 132) $m\angle 1 = 62x$ and $m\angle 2 = 63x - 1$.
Find x .



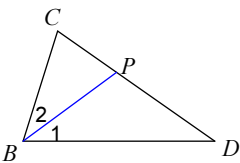
- 133) $m\angle 1 = 8x - 2$ and $m\angle 2 = 7x + 2$.
Find x .



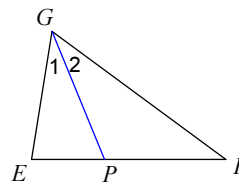
- 134) $m\angle 2 = 26x + 1$ and $m\angle 1 = 27x - 1$.
Find x .



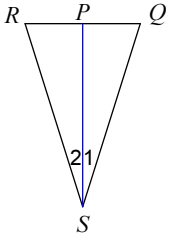
- 135) $m\angle 1 = -4 + 5x$ and $m\angle DBC = 8x + 8$.
Find x .



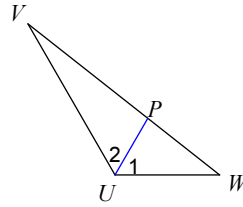
- 136) $m\angle 1 = 6x + 1$ and $m\angle 2 = 5x + 6$.
Find x .



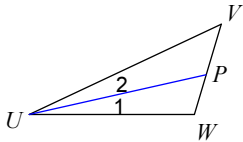
- 137) Find x if $m\angle 2 = x + 10$ and $m\angle QSR = 5x - 1$.



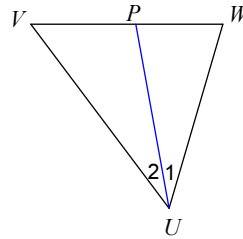
- 138) Find x if $m\angle 1 = 16x - 4$ and $m\angle 2 = 15x$.



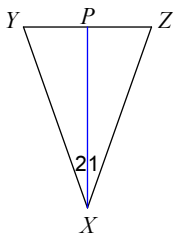
- 139) Find x if $m\angle 1 = 3x - 3$ and $m\angle 2 = x + 7$.



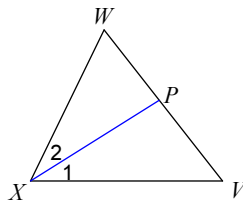
- 140) $m\angle 1 = 4x + 2$ and $m\angle WUV = 7x + 10$. Find x .



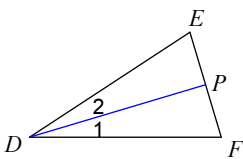
- 141) $m\angle 2 = 20x - 1$ and $m\angle 1 = 18x + 1$. Find x .



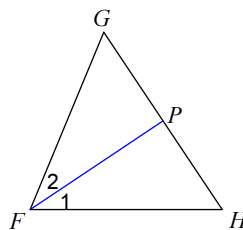
- 142) Find x if $m\angle 1 = 8x$ and $m\angle V\hat{X}W = 17x - 4$.



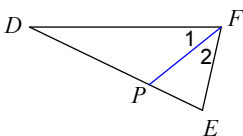
- 143) Find x if $m\angle 1 = 3x - 5$ and $m\angle 2 = 2x + 2$.



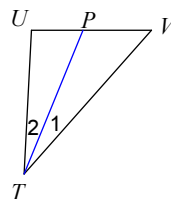
- 144) $m\angle 1 = 6x + 3$ and $m\angle 2 = 5x + 8$. Find x .



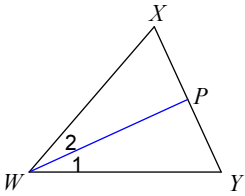
- 145) Find x if $m\angle 1 = 7x + 3$ and $m\angle 2 = 6x + 8$.



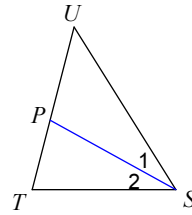
- 146) Find x if $m\angle 1 = 10x - 1$ and $m\angle 2 = 8x + 3$.



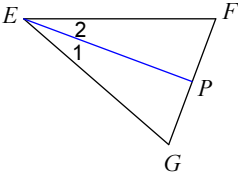
- 147) Find x if $m\angle 2 = 3x$ and $m\angle 1 = 4x - 8$.



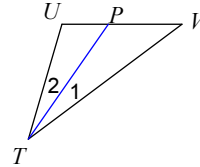
- 148) Find x if $m\angle 1 = 28x + 1$ and $m\angle UST = 59x - 1$.



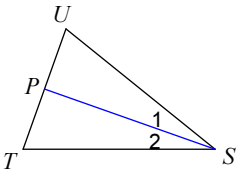
- 149) Find x if $m\angle 2 = 3x - 1$ and $m\angle 1 = x + 13$.



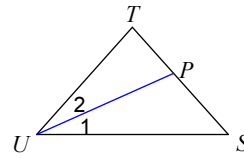
- 150) $m\angle 1 = 5x - 2$ and $m\angle 2 = 4x + 2$. Find x .



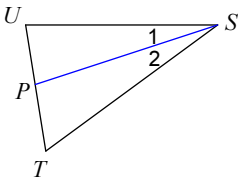
- 151) $m\angle 2 = 7x - 2$ and $m\angle 1 = 6x + 1$. Find x .



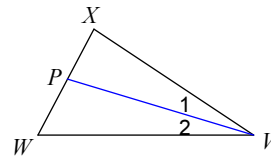
- 152) $m\angle 1 = 5x - 6$ and $m\angle SUT = 8x$. Find x .



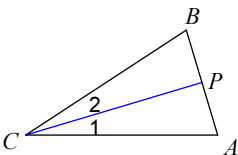
- 153) $m\angle 2 = 6x$ and $m\angle UST = 13x - 3$. Find x .



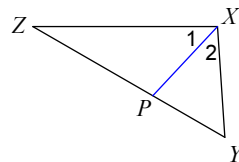
- 154) Find x if $m\angle 2 = 6x - 1$ and $m\angle XVW = 10x + 4$.



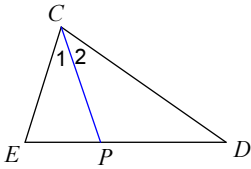
- 155) Find x if $m\angle 2 = 4x - 4$ and $m\angle ACB = 5x + 7$.



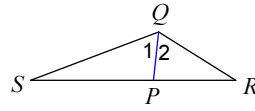
- 156) Find x if $m\angle 1 = 15x + 2$ and $m\angle 2 = 16x - 1$.



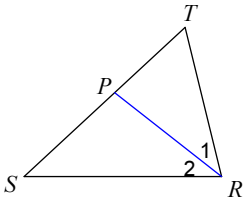
- 157) Find x if $m\angle 1 = 12x$ and $m\angle 2 = 13x - 3$.



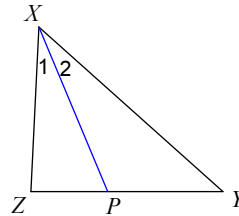
- 158) $m\angle 1 = 11x + 8$ and $m\angle SQR = 1 + 25x$. Find x .



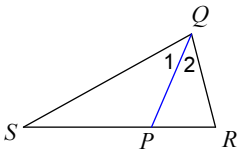
- 159) Find x if $m\angle 2 = -4 + 6x$ and $m\angle 1 = 4x + 10$.



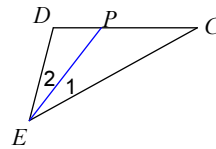
- 160) $m\angle 2 = 3x + 1$ and $m\angle 1 = 2x + 9$. Find x .



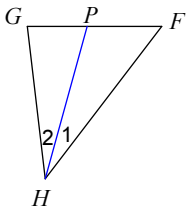
- 161) $m\angle 2 = 8x - 2$ and $m\angle 1 = 7x + 3$. Find x .



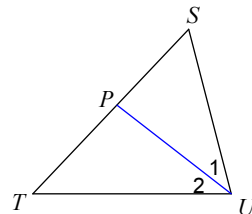
- 162) $m\angle 1 = 4x - 5$ and $m\angle CED = 6x + 4$. Find x .



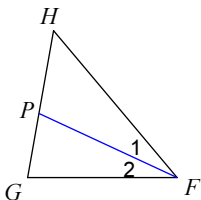
- 163) $m\angle 1 = 6 + 2x$ and $m\angle 2 = 3x - 2$. Find x .



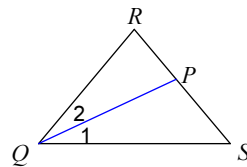
- 164) Find x if $m\angle 1 = 6x + 8$ and $m\angle SUT = 16x - 4$.



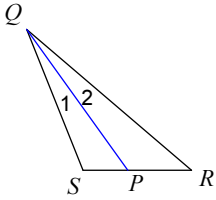
- 165) Find x if $m\angle 1 = 5x + 5$ and $m\angle 2 = -3 + 7x$.



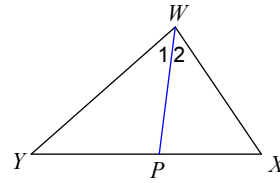
- 166) Find x if $m\angle 2 = 11 + 2x$ and $m\angle 1 = 3x + 4$.



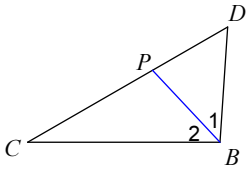
- 167) $m\angle 1 = x + 9$ and $m\angle 2 = 2x + 4$.
Find x .



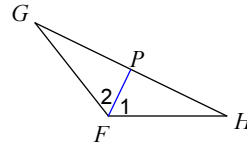
- 168) $m\angle 2 = 5x + 1$ and $m\angle 1 = 4x + 9$.
Find x .



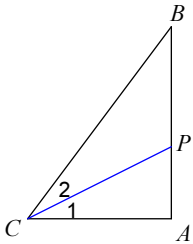
- 169) $m\angle 1 = 6x + 11$ and $m\angle 2 = 7x + 5$.
Find x .



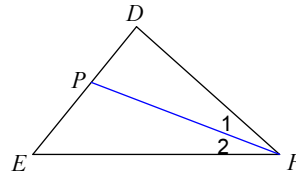
- 170) $m\angle 2 = 9x - 8$ and $m\angle 1 = 8x$.
Find x .



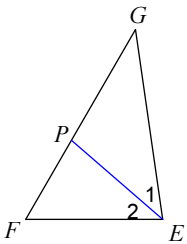
- 171) Find x if $m\angle 2 = -2 + 4x$ and $m\angle 1 = 2x + 12$.



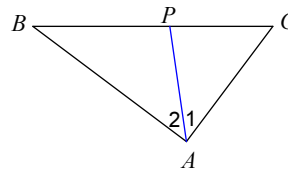
- 172) $m\angle 2 = 9x + 3$ and $m\angle DFE = 2 + 20x$.
Find x .



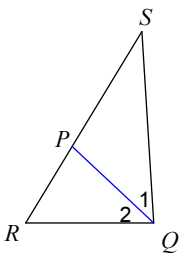
- 173) Find x if $m\angle 2 = 9x - 4$ and $m\angle 1 = 8x + 1$.



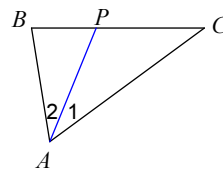
- 174) $m\angle 2 = 7x - 4$ and $m\angle CAB = 13x - 1$.
Find x .



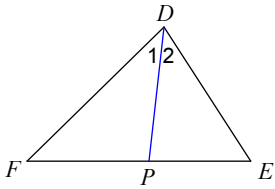
- 175) Find x if $m\angle 1 = 11x - 1$ and $m\angle SQR = 21x + 2$.



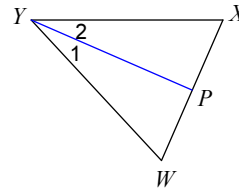
- 176) Find x if $m\angle 1 = 3x + 7$ and $m\angle 2 = 2x + 15$.



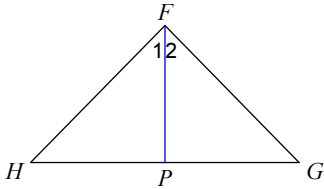
- 177) Find x if $m\angle 1 = 40x - 1$ and $m\angle 2 = 39x$.



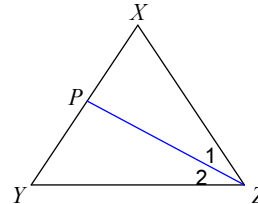
- 178) Find x if $m\angle 1 = 4x + 7$ and $m\angle WYX = 10x + 6$.



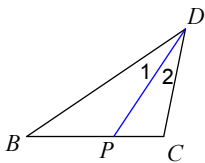
- 179) Find x if $m\angle 1 = 5x + 9$ and $m\angle HFG = 12x + 4$.



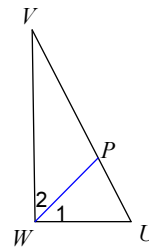
- 180) Find x if $m\angle 1 = 10x - 2$ and $m\angle 2 = 9x + 1$.



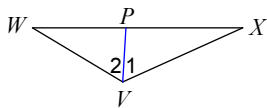
- 181) Find x if $m\angle 1 = 6x - 2$ and $m\angle BDC = 11x$.



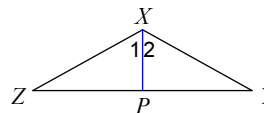
- 182) $m\angle 1 = 10x + 5$ and $m\angle 2 = -3 + 12x$. Find x .



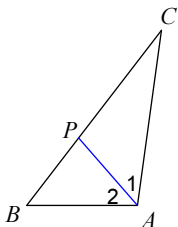
- 183) $m\angle 2 = 62x$ and $m\angle XVW = 125x - 1$. Find x .



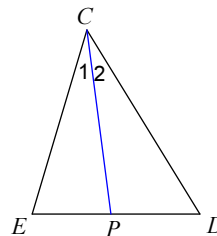
- 184) $m\angle 1 = 6x + 13$ and $m\angle ZXY = 15x + 2$. Find x .



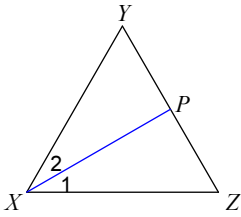
- 185) Find x if $m\angle 2 = 16x + 1$ and $m\angle CAB = 31x + 5$.



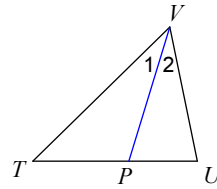
- 186) $m\angle 2 = 4x - 8$ and $m\angle ECD = 6x$. Find x .



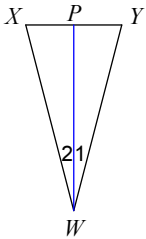
- 187) Find x if $m\angle 1 = 30x$ and $m\angle 2 = 31x - 1$.



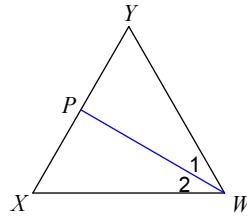
- 188) Find x if $m\angle 2 = 4x + 8$ and $m\angle TVU = 6 + 10x$.



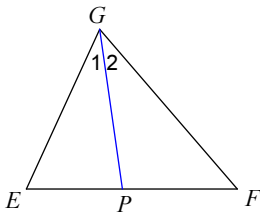
- 189) Find x if $m\angle 2 = 5 + 3x$ and $m\angle 1 = 5x - 1$.



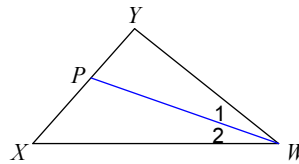
- 190) Find x if $m\angle 2 = 14x + 2$ and $m\angle YWX = 31x - 2$.



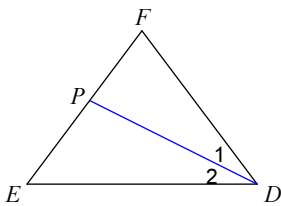
- 191) Find x if $m\angle 2 = 5x + 7$ and $m\angle EGF = 11x + 9$.



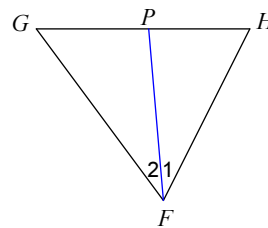
- 192) Find x if $m\angle 1 = -5 + 4x$ and $m\angle 2 = 2x + 7$.



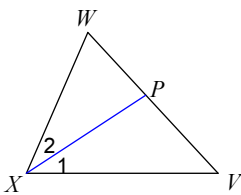
- 193) $m\angle 1 = -1 + 9x$ and $m\angle FDE = 16x + 4$. Find x .



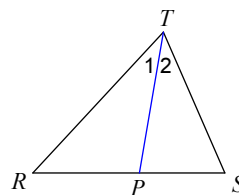
- 194) $m\angle 1 = 7x - 4$ and $m\angle HFG = 12x + 2$. Find x .



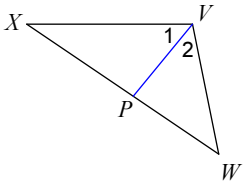
- 195) Find x if $m\angle 1 = 32x + 1$ and $m\angle 2 = 34x - 1$.



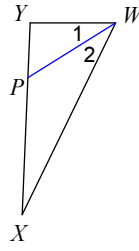
- 196) Find x if $m\angle 2 = 8 + 5x$ and $m\angle RTS = 1 + 13x$.



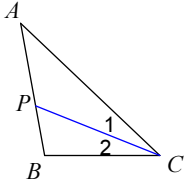
- 197) Find x if $m\angle 1 = 8x + 3$ and $m\angle XVW = 18x - 6$.



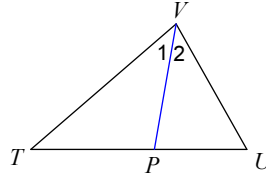
- 198) $m\angle 1 = 11x - 1$ and $m\angle 2 = 10x + 2$. Find x .



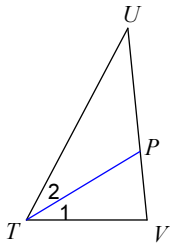
- 199) $m\angle 2 = 6x - 2$ and $m\angle 1 = 5x + 2$. Find x .



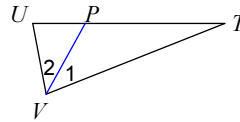
- 200) Find x if $m\angle 2 = 8x + 7$ and $m\angle TVU = 18x + 6$.



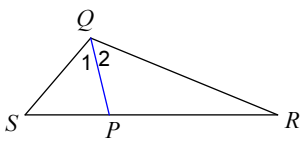
- 201) $m\angle 1 = 4x - 5$ and $m\angle VTU = 6x + 8$. Find x .



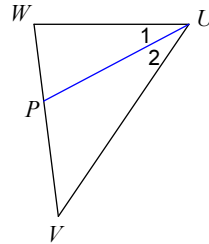
- 202) $m\angle 1 = 15 + 3x$ and $m\angle TVU = 8x + 14$. Find x .



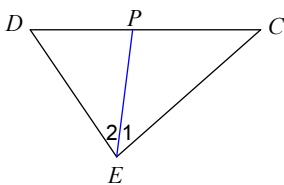
- 203) Find x if $m\angle 1 = 6x - 6$ and $m\angle 2 = 4x + 14$.



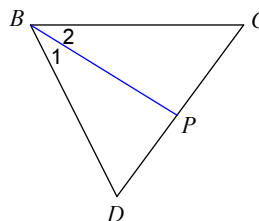
- 204) $m\angle 2 = 3x - 8$ and $m\angle WUV = 3x + 20$. Find x .



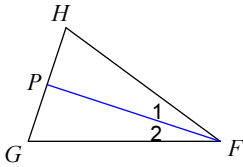
- 205) $m\angle 1 = 6 + 7x$ and $m\angle CED = 16x + 2$. Find x .



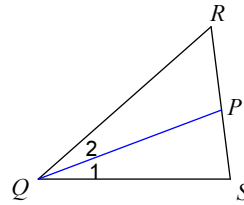
- 206) $m\angle 1 = 6x + 1$ and $m\angle 2 = 5x + 6$. Find x .



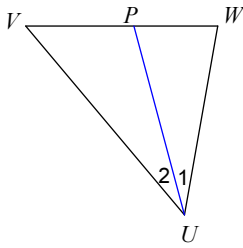
- 207) Find x if $m\angle 2 = 18x$ and $m\angle 1 = 19x - 1$.



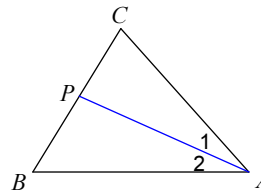
- 208) $m\angle 2 = 19x + 1$ and $m\angle 1 = 20x$. Find x .



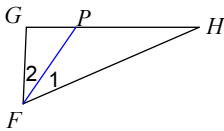
- 209) Find x if $m\angle 2 = 13x - 1$ and $m\angle WUV = 24x + 2$.



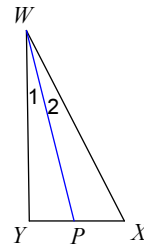
- 210) $m\angle 2 = 9 + 3x$ and $m\angle 1 = 4x + 4$. Find x .



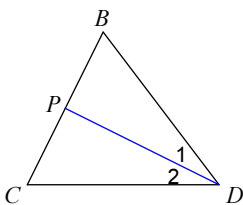
- 211) Find x if $m\angle 2 = x + 20$ and $m\angle HFG = 6x - 8$.



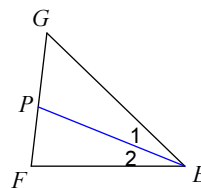
- 212) $m\angle 1 = 4x - 3$ and $m\angle 2 = 2x + 5$. Find x .



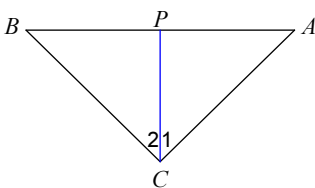
- 213) Find x if $m\angle 2 = 10 + 2x$ and $m\angle 1 = 3x + 2$.



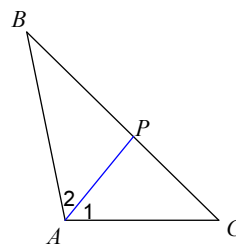
- 214) Find x if $m\angle 2 = 2x + 4$ and $m\angle GEF = 5x - 1$.



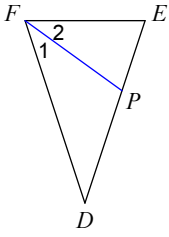
- 215) $m\angle 1 = 10x + 5$ and $m\angle ACB = 23x - 2$. Find x .



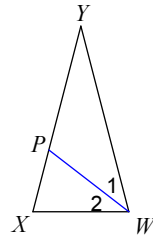
- 216) $m\angle 1 = 9x + 6$ and $m\angle CAB = 20x + 2$. Find x .



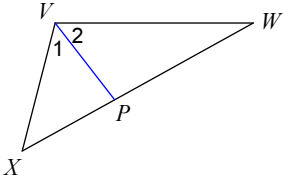
- 217) $m\angle 1 = 9 + 3x$ and $m\angle 2 = -9 + 5x$.
Find x .



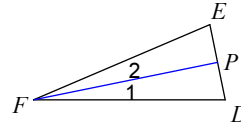
- 218) $m\angle 2 = -6 + 4x$ and $m\angle YWX = 6x + 10$.
Find x .



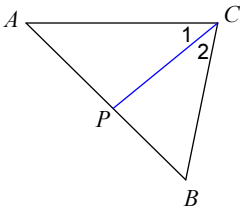
- 219) $m\angle 2 = 51x + 1$ and $m\angle XVW = 104x$.
Find x .



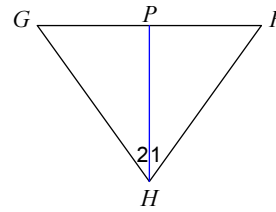
- 220) Find x if $m\angle 1 = x - 1$ and $m\angle DFE = x + 10$.



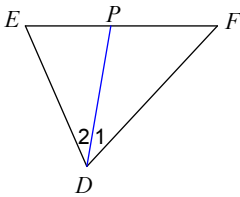
- 221) $m\angle 1 = 10x - 1$ and $m\angle ACB = 19x + 2$.
Find x .



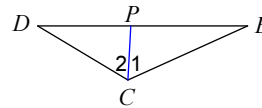
- 222) Find x if $m\angle 1 = 3 + 16x$ and $m\angle FHG = 36x - 2$.



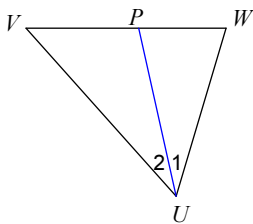
- 223) $m\angle 2 = 7x + 5$ and $m\angle FDE = 16x + 2$.
Find x .



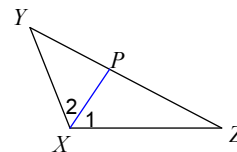
- 224) $m\angle 2 = 13x - 3$ and $m\angle 1 = 12x + 2$.
Find x .



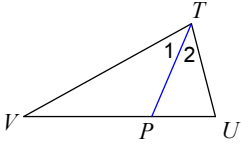
- 225) Find x if $m\angle 1 = 15x - 1$ and $m\angle WUV = 29x$.



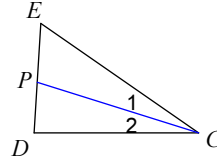
- 226) Find x if $m\angle 2 = 57x - 1$ and $m\angle ZXY = 112x$.



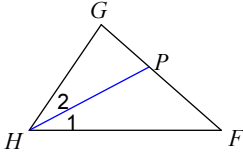
- 227) Find x if $m\angle 2 = 3x + 5$ and $m\angle 1 = 2x + 16$.



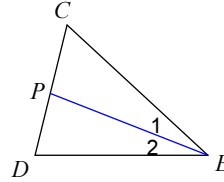
- 228) Find x if $m\angle 2 = 4x + 5$ and $m\angle 1 = 5x + 2$.



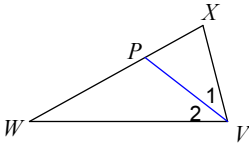
- 229) Find x if $m\angle 2 = 3x - 5$ and $m\angle FHG = 4x + 12$.



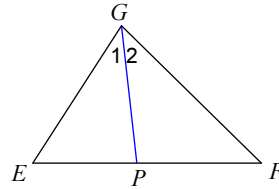
- 230) Find x if $m\angle 1 = 4x + 1$ and $m\angle 2 = 5x - 4$.



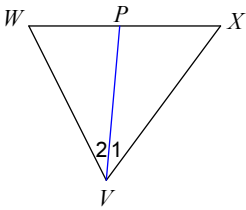
- 231) $m\angle 1 = 38x$ and $m\angle 2 = 39x - 1$. Find x .



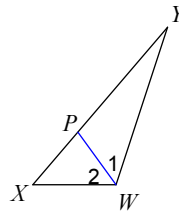
- 232) $m\angle 1 = 19x + 1$ and $m\angle 2 = 18x + 3$. Find x .



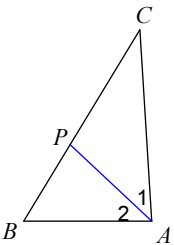
- 233) Find x if $m\angle 1 = 2x + 9$ and $m\angle XVW = 5x + 7$.



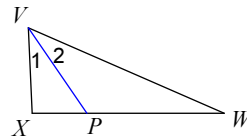
- 234) Find x if $m\angle 1 = 14x - 2$ and $m\angle YWX = 27x$.



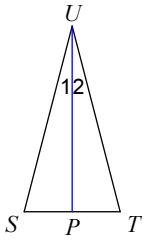
- 235) $m\angle 2 = 8x + 3$ and $m\angle CAB = 17x + 1$. Find x .



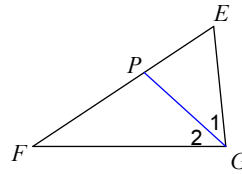
- 236) Find x if $m\angle 2 = x + 21$ and $m\angle XVW = 4x + 20$.



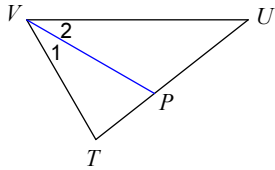
- 237) $m\angle 2 = 2x - 4$ and $m\angle 1 = x + 5$.
Find x .



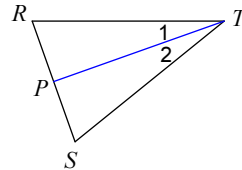
- 238) Find x if $m\angle 2 = 42x$ and $m\angle 1 = 43x - 1$.



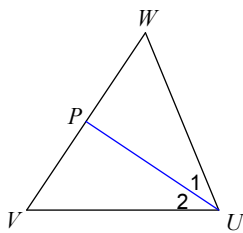
- 239) Find x if $m\angle 2 = x + 19$ and $m\angle 1 = 2x + 8$.



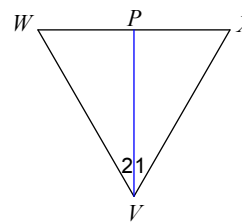
- 240) $m\angle 1 = x + 9$ and $m\angle RTS = 3x + 8$.
Find x .



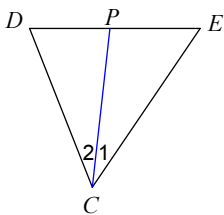
- 241) Find x if $m\angle 1 = 4x + 1$ and $m\angle WUV = 7x + 10$.



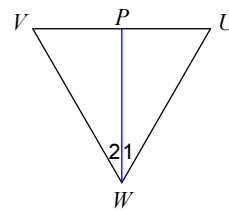
- 242) $m\angle 2 = 4x + 6$ and $m\angle 1 = 5x$.
Find x .



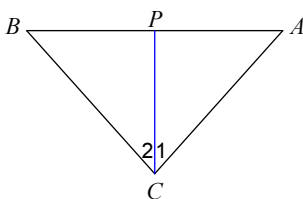
- 243) Find x if $m\angle 2 = 13x + 2$ and $m\angle 1 = 14x$.



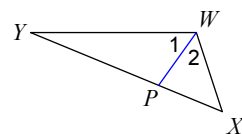
- 244) Find x if $m\angle 2 = 6x$ and $m\angle UWW = 13x - 5$.



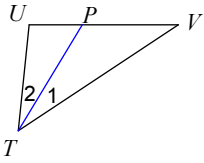
- 245) $m\angle 2 = 3x + 15$ and $m\angle ACB = 9x + 3$.
Find x .



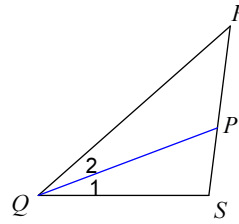
- 246) $m\angle 2 = 6x$ and $m\angle 1 = 5x + 9$.
Find x .



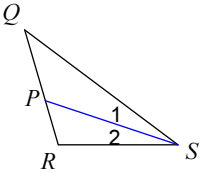
- 247) $m\angle 2 = 4x + 5$ and $m\angle VTU = 10x$.
Find x .



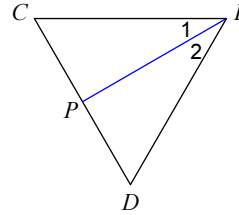
- 248) Find x if $m\angle 2 = x + 11$ and $m\angle SQR = 3x + 13$.



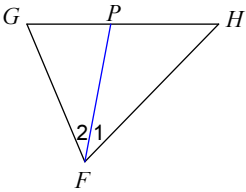
- 249) Find x if $m\angle 2 = 2x + 4$ and $m\angle QSR = 6x - 6$.



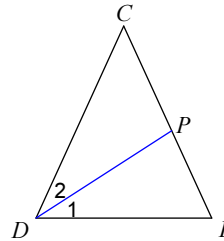
- 250) Find x if $m\angle 2 = 4x + 6$ and $m\angle CED = 10x$.



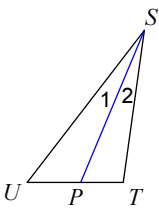
- 251) $m\angle 1 = 5x - 2$ and $m\angle HFG = 8x + 10$.
Find x .



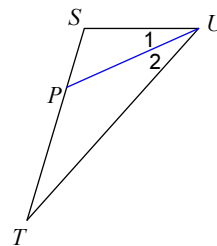
- 252) $m\angle 1 = x + 21$ and $m\angle BDC = 5x + 9$.
Find x .



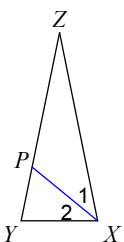
- 253) Find x if $m\angle 2 = 2x - 7$ and $m\angle 1 = x + 4$.



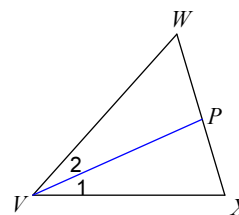
- 254) Find x if $m\angle 1 = 3x - 12$ and $m\angle SUT = 5x - 12$.



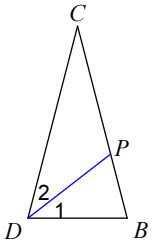
- 255) $m\angle 1 = 9 + 5x$ and $m\angle ZXY = -6 + 14x$.
Find x .



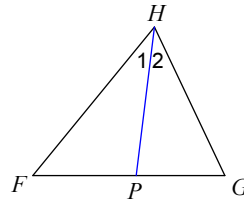
- 256) Find x if $m\angle 1 = 3x + 9$ and $m\angle XVW = 10x - 2$.



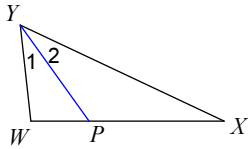
- 257) Find x if $m\angle 2 = 4x + 2$ and $m\angle 1 = 5x - 7$.



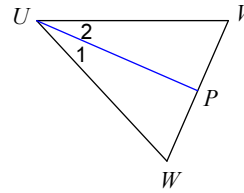
- 258) Find x if $m\angle 1 = 8x$ and $m\angle FHG = 15x + 4$.



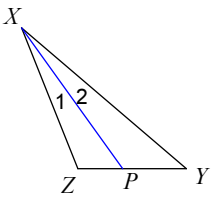
- 259) Find x if $m\angle 2 = 8x + 5$ and $m\angle 1 = 10x - 1$.



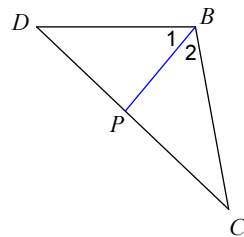
- 260) $m\angle 1 = 3x - 7$ and $m\angle WUV = 6 + 4x$. Find x .



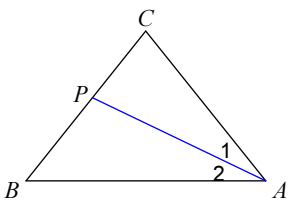
- 261) $m\angle 1 = 2x - 2$ and $m\angle 2 = x + 6$. Find x .



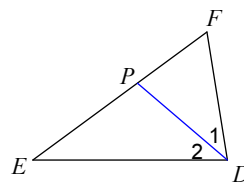
- 262) Find x if $m\angle 2 = 8x - 6$ and $m\angle DBC = 14x + 2$.



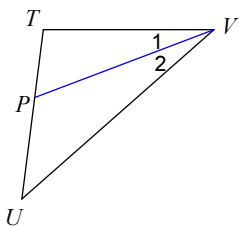
- 263) Find x if $m\angle 1 = x + 13$ and $m\angle CAB = 5x - 10$.



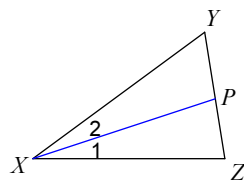
- 264) Find x if $m\angle 2 = 5x - 5$ and $m\angle 1 = 3x + 13$.



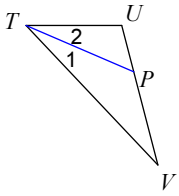
- 265) $m\angle 2 = 3x + 2$ and $m\angle TVU = 7x - 2$. Find x .



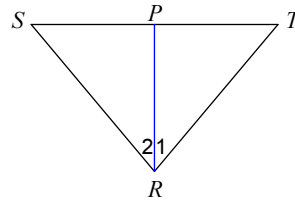
- 266) $m\angle 2 = x + 8$ and $m\angle 1 = 2x - 2$. Find x .



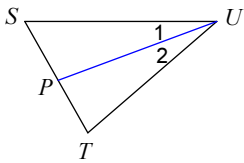
- 267) Find x if $m\angle 2 = 22x + 1$ and $m\angle 1 = 24x - 1$.



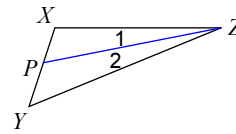
- 268) $m\angle 1 = 12x + 4$ and $m\angle 2 = 14x - 2$. Find x .



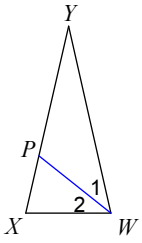
- 269) $m\angle 2 = 5x + 5$ and $m\angle 1 = 7x - 1$. Find x .



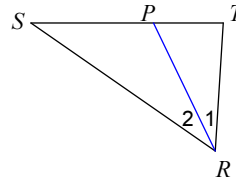
- 270) $m\angle 2 = 4x + 3$ and $m\angle 1 = 5x + 1$. Find x .



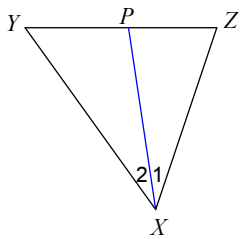
- 271) $m\angle 1 = 7x + 3$ and $m\angle YWX = 15x + 1$. Find x .



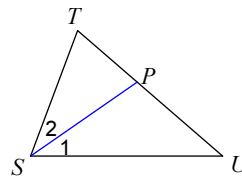
- 272) $m\angle 2 = 2x + 13$ and $m\angle 1 = 3x + 5$. Find x .



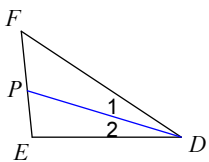
- 273) Find x if $m\angle 1 = x + 15$ and $m\angle ZXY = 4x + 6$.



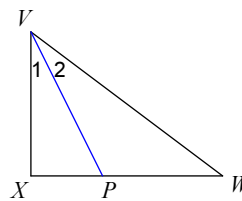
- 274) $m\angle 2 = 7x + 7$ and $m\angle 1 = 3 + 8x$. Find x .



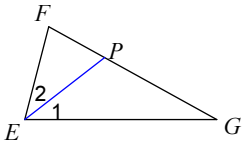
- 275) Find x if $m\angle 1 = x + 8$ and $m\angle 2 = 2x - 1$.



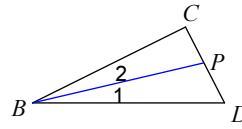
- 276) Find x if $m\angle 1 = 2x + 6$ and $m\angle 2 = x + 16$.



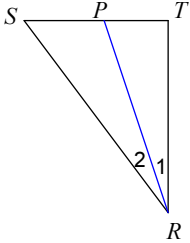
- 277) $m\angle 1 = 19x$ and $m\angle GEF = 39x - 2$.
Find x .



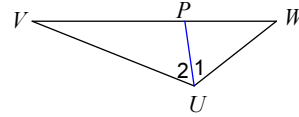
- 278) $m\angle 1 = 2x - 5$ and $m\angle 2 = x + 4$.
Find x .



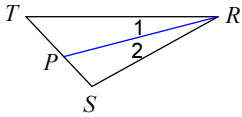
- 279) Find x if $m\angle 1 = x + 7$ and $m\angle 2 = 2x - 4$.



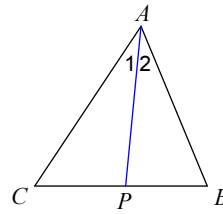
- 280) $m\angle 1 = 16x - 4$ and $m\angle WUV = 30x$.
Find x .



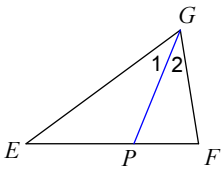
- 281) $m\angle 1 = 2x + 4$ and $m\angle TRS = 6x - 2$.
Find x .



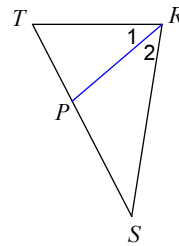
- 282) Find x if $m\angle 2 = 2x + 10$ and $m\angle CAB = 6x + 2$.



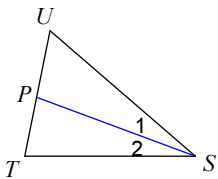
- 283) Find x if $m\angle 2 = 32x - 1$ and $m\angle 1 = 31x$.



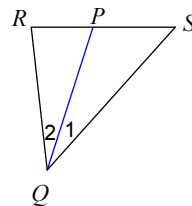
- 284) Find x if $m\angle 1 = 2x + 16$ and $m\angle 2 = 3x + 4$.



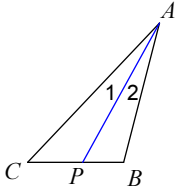
- 285) $m\angle 2 = 3x + 5$ and $m\angle UST = 7x + 5$.
Find x .



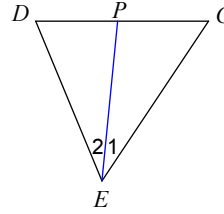
- 286) $m\angle 1 = 11x + 2$ and $m\angle 2 = 12x$.
Find x .



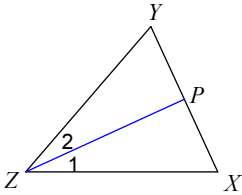
- 287) $m\angle 1 = 14x$ and $m\angle 2 = 13x + 1$.
Find x .



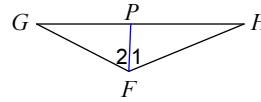
- 288) $m\angle 1 = 13x + 2$ and $m\angle CED = 28x$.
Find x .



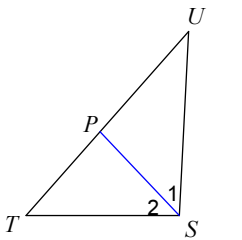
- 289) Find x if $m\angle 1 = 5x + 4$ and $m\angle 2 = 7x - 4$.



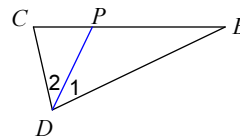
- 290) Find x if $m\angle 2 = 4x + 21$ and $m\angle HFG = 12x - 2$.



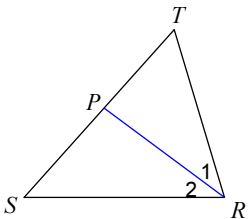
- 291) Find x if $m\angle 1 = 8x + 6$ and $m\angle 2 = -4 + 10x$.



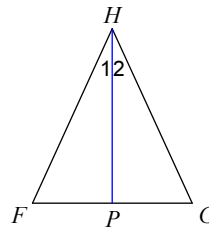
- 292) $m\angle 1 = 5x - 2$ and $m\angle 2 = 4x + 6$.
Find x .



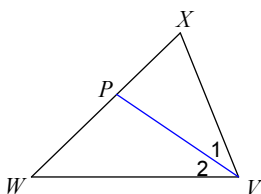
- 293) $m\angle 1 = 4x - 8$ and $m\angle TRS = 5x + 17$.
Find x .



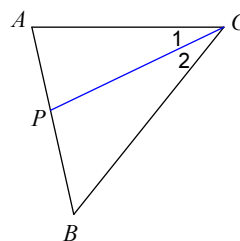
- 294) $m\angle 2 = 5x - 1$ and $m\angle FHG = 9x + 3$.
Find x .



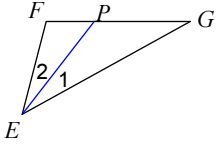
- 295) $m\angle 1 = 3x + 13$ and $m\angle XVW = 8x + 12$.
Find x .



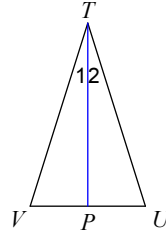
- 296) Find x if $m\angle 2 = 25x$ and $m\angle 1 = 26x - 1$.



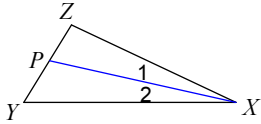
- 297) $m\angle 1 = 3x - 7$ and $m\angle 2 = x + 13$.
Find x .



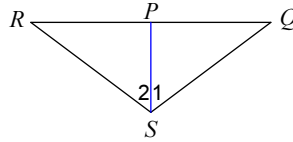
- 298) $m\angle 2 = x + 10$ and $m\angle VTU = 5x - 1$.
Find x .



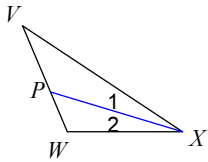
- 299) Find x if $m\angle 1 = 2x - 12$ and $m\angle 2 = x$.



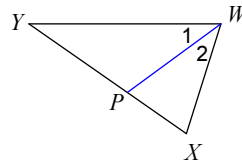
- 300) Find x if $m\angle 1 = 8 + 5x$ and $m\angle QSR = 11x + 7$.



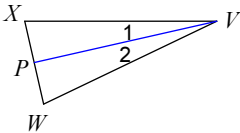
- 301) Find x if $m\angle 1 = 3x - 31$ and $m\angle VXW = 2x + 2$.



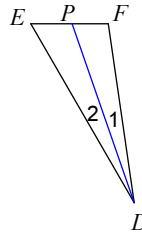
- 302) $m\angle 2 = 5x - 24$ and $m\angle YWX = 5x + 12$.
Find x .



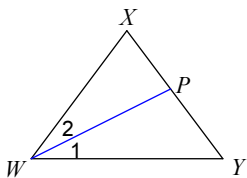
- 303) Find x if $m\angle 1 = 4x - 3$ and $m\angle 2 = 3x + 1$.



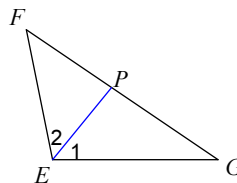
- 304) Find x if $m\angle 2 = x + 2$ and $m\angle 1 = -16 + 3x$.



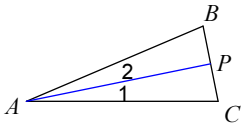
- 305) $m\angle 2 = 2x - 12$ and $m\angle 1 = 3x - 31$.
Find x .



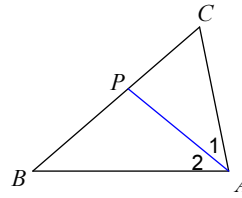
- 306) Find x if $m\angle 2 = 3x + 12$ and $m\angle 1 = 4x - 1$.



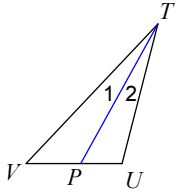
- 307) Find x if $m\angle 2 = x - 3$ and $m\angle 1 = 3x - 31$.



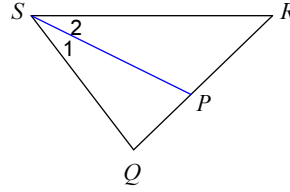
- 308) $m\angle 2 = 4x + 7$ and $m\angle 1 = 6x - 9$. Find x .



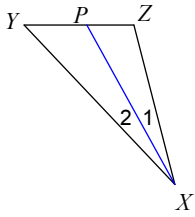
- 309) Find x if $m\angle 2 = x - 3$ and $m\angle VTU = 3x - 23$.



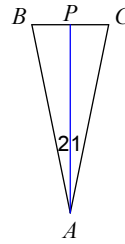
- 310) $m\angle 1 = 6x + 8$ and $m\angle 2 = 7x + 5$. Find x .



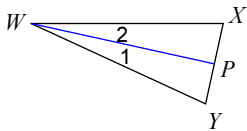
- 311) Find x if $m\angle 1 = x + 2$ and $m\angle ZXY = 3x - 8$.



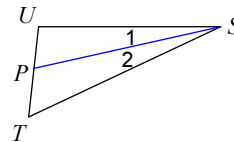
- 312) $m\angle 2 = 3x - 1$ and $m\angle 1 = 4x - 5$. Find x .



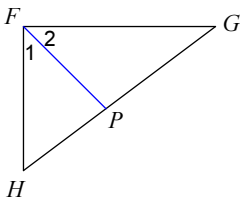
- 313) Find x if $m\angle 1 = -39 + 3x$ and $m\angle 2 = 2x - 22$.



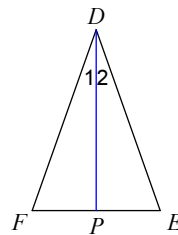
- 314) $m\angle 2 = 5x - 8$ and $m\angle UST = 4x + 8$. Find x .



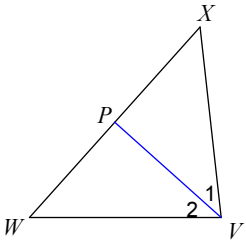
- 315) $m\angle 1 = 4x + 13$ and $m\angle HFG = 9x + 18$. Find x .



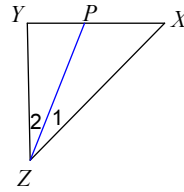
- 316) $m\angle 1 = 3x - 35$ and $m\angle 2 = 2x - 17$. Find x .



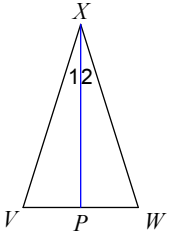
- 317) Find x if $m\angle 1 = 4x - 14$ and $m\angle 2 = 3x$.



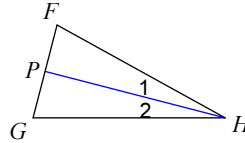
- 318) Find x if $m\angle 1 = 5x - 12$ and $m\angle XZY = 6x + 4$.



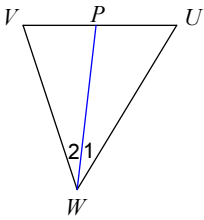
- 319) $m\angle 2 = x + 9$ and $m\angle V\hat{X}W = 5x - 6$. Find x .



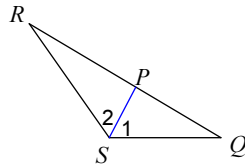
- 320) $m\angle 1 = 2x - 20$ and $m\angle 2 = 3x - 37$. Find x .



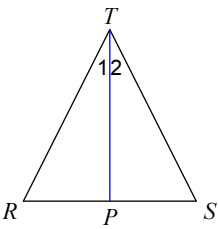
- 321) Find x if $m\angle 1 = x + 10$ and $m\angle U\hat{W}V = 3x + 6$.



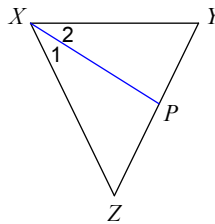
- 322) Find x if $m\angle 2 = 15x + 2$ and $m\angle Q\hat{S}R = 32x - 4$.



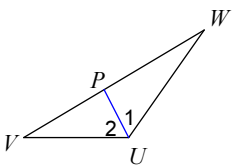
- 323) $m\angle 2 = -14 + 5x$ and $m\angle 1 = 2x + 10$. Find x .



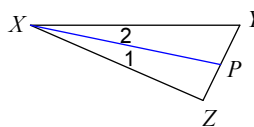
- 324) $m\angle 2 = 6x - 4$ and $m\angle Z\hat{X}Y = 8x + 16$. Find x .



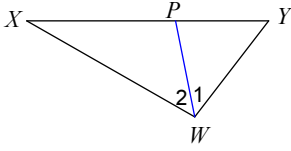
- 325) $m\angle 1 = x + 45$ and $m\angle W\hat{U}V = 22 + 6x$. Find x .



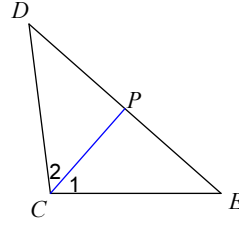
- 326) Find x if $m\angle 1 = 3x - 42$ and $m\angle Z\hat{X}Y = 6 + x$.



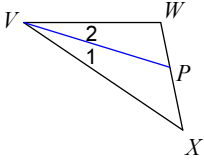
- 327) $m\angle 2 = x + 35$ and $m\angle YWX = 7x$.
Find x .



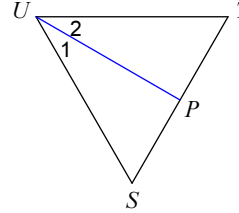
- 328) $m\angle 2 = 4x - 24$ and $m\angle ECD = 5x + 6$.
Find x .



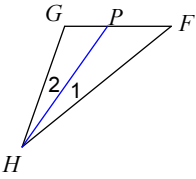
- 329) Find x if $m\angle 1 = x - 1$ and $m\angle 2 = 2x - 19$.



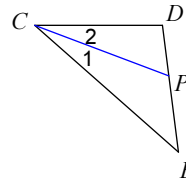
- 330) $m\angle 1 = 5x - 10$ and $m\angle SUT = 9x - 12$.
Find x .



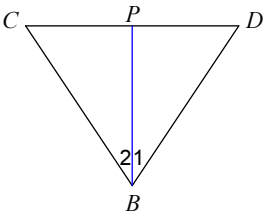
- 331) $m\angle 2 = 2x$ and $m\angle 1 = 3x - 8$.
Find x .



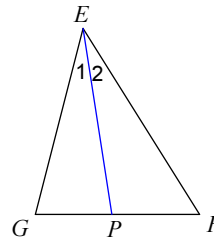
- 332) $m\angle 2 = 3x + 8$ and $m\angle ECD = 9x + 4$.
Find x .



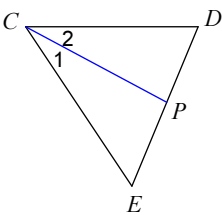
- 333) $m\angle 1 = 2x + 19$ and $m\angle 2 = 3x + 12$.
Find x .



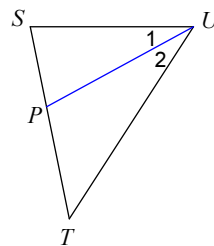
- 334) $m\angle 1 = 2x + 5$ and $m\angle 2 = 4x - 13$.
Find x .



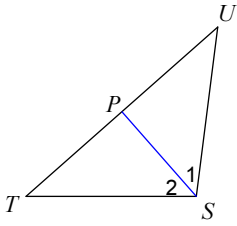
- 335) $m\angle 1 = 4 + 2x$ and $m\angle 2 = 3x - 8$.
Find x .



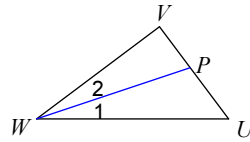
- 336) Find x if $m\angle 2 = x + 17$ and $m\angle SUT = 5x + 1$.



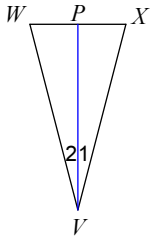
- 337) $m\angle 2 = x + 33$ and $m\angle UST = 6x + 6$.
Find x .



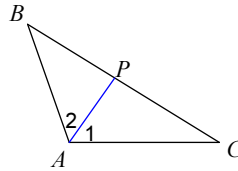
- 338) Find x if $m\angle 2 = 3x - 24$ and $m\angle 1 = 2x - 10$.



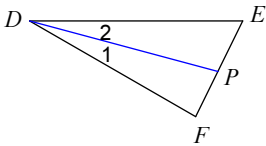
- 339) Find x if $m\angle 2 = 3x - 31$ and $m\angle 1 = -1 + x$.



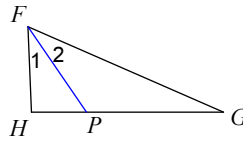
- 340) Find x if $m\angle 1 = 18 + 3x$ and $m\angle CAB = 8x + 12$.



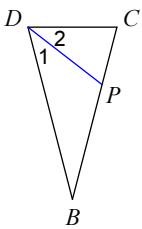
- 341) $m\angle 2 = x + 11$ and $m\angle 1 = 5x - 5$.
Find x .



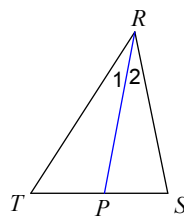
- 342) $m\angle 1 = 3x - 19$ and $m\angle 2 = 2x - 2$.
Find x .



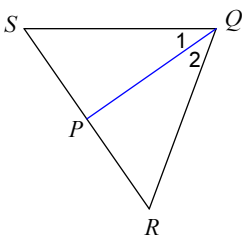
- 343) Find x if $m\angle 1 = 2x + 22$ and $m\angle BDC = 10x - 4$.



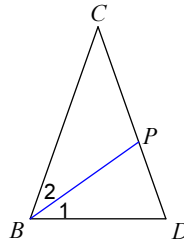
- 344) Find x if $m\angle 1 = 2x - 4$ and $m\angle TRS = 2x + 18$.



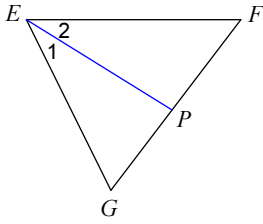
- 345) $m\angle 2 = 3x + 17$ and $m\angle 1 = 6x - 1$.
Find x .



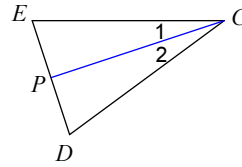
- 346) $m\angle 2 = 4x - 13$ and $m\angle DBC = 5x + 10$.
Find x .



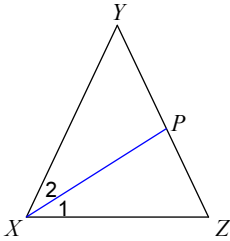
- 347) $m\angle 2 = 18x - 4$ and $m\angle 1 = 16x$.
Find x .



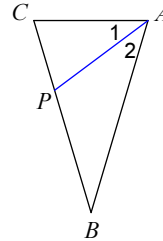
- 348) $m\angle 1 = 4x - 18$ and $m\angle ECD = 5x - 9$.
Find x .



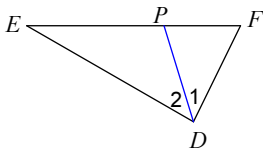
- 349) Find x if $m\angle 2 = 3x - 22$ and $m\angle ZXY = 2x + 28$.



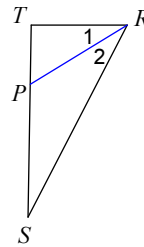
- 350) Find x if $m\angle 1 = x + 17$ and $m\angle 2 = 3x - 21$.



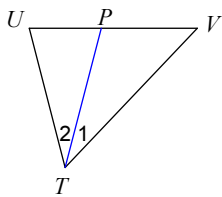
- 351) Find x if $m\angle 1 = 3x - 5$ and $m\angle 2 = 2x + 11$.



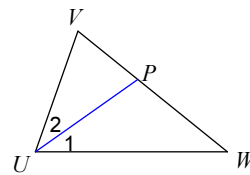
- 352) $m\angle 2 = 8x - 1$ and $m\angle TRS = 17x - 6$.
Find x .



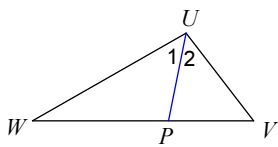
- 353) Find x if $m\angle 2 = 2x - 7$ and $m\angle VTU = 2x + 22$.



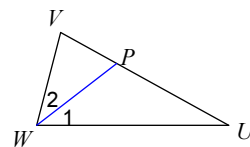
- 354) Find x if $m\angle 1 = 2x + 13$ and $m\angle 2 = 4x - 9$.



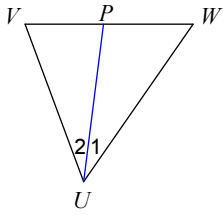
- 355) $m\angle 2 = 2x + 23$ and $m\angle 1 = 3x + 10$.
Find x .



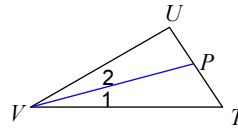
- 356) Find x if $m\angle 2 = -10 + 8x$ and $m\angle UWW = 13x - 2$.



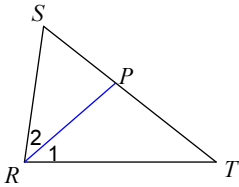
- 357) $m\angle 2 = 14x - 1$ and $m\angle WUV = 26x + 2$.
Find x .



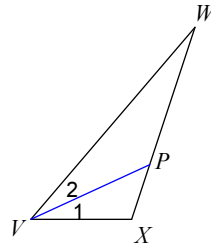
- 358) $m\angle 2 = 2x - 19$ and $m\angle TVU = 2x - 4$.
Find x .



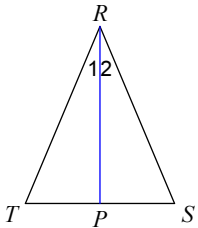
- 359) Find x if $m\angle 2 = 4x - 35$ and $m\angle TRS = 5x - 13$.



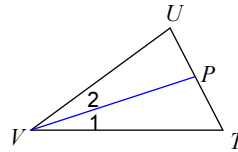
- 360) Find x if $m\angle 1 = 6x - 12$ and $m\angle 2 = 2x + 12$.



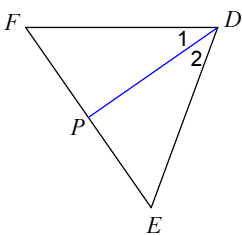
- 361) Find x if $m\angle 2 = x + 9$ and $m\angle TRS = 3x + 4$.



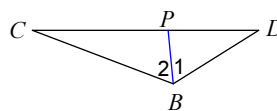
- 362) $m\angle 2 = -2 + 4x$ and $m\angle TVU = 9x - 9$.
Find x .



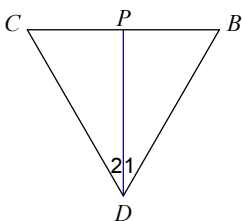
- 363) $m\angle 2 = x + 26$ and $m\angle FDE = 5x + 25$.
Find x .



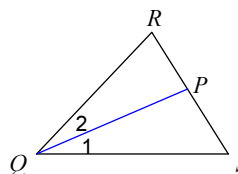
- 364) Find x if $m\angle 2 = 63x$ and $m\angle 1 = 61x + 2$.



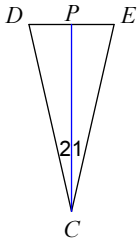
- 365) $m\angle 1 = 2x + 4$ and $m\angle BDC = 6x - 18$.
Find x .



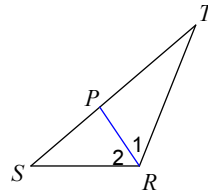
- 366) $m\angle 2 = x + 4$ and $m\angle 1 = 3x - 34$.
Find x .



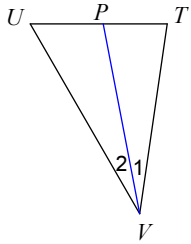
- 367) $m\angle 2 = 3x - 17$ and $m\angle ECD = 3x - 4$.
Find x .



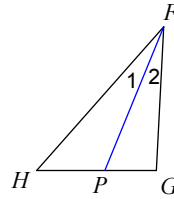
- 368) $m\angle 2 = 8x - 8$ and $m\angle TRS = 12x + 16$.
Find x .



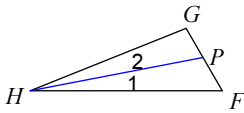
- 369) $m\angle 1 = 2x - 15$ and $m\angle TVU = 3x - 13$.
Find x .



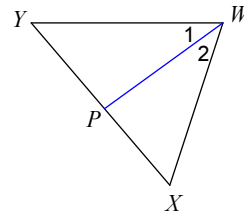
- 370) $m\angle 1 = 6x + 1$ and $m\angle 2 = 8x - 5$.
Find x .



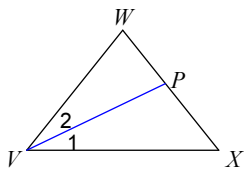
- 371) $m\angle 1 = 2x - 3$ and $m\angle 2 = 4 + x$.
Find x .



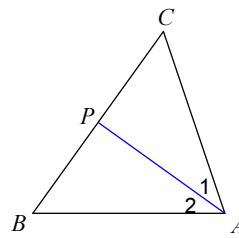
- 372) Find x if $m\angle 2 = 2x$ and $m\angle YWX = 2x + 36$.



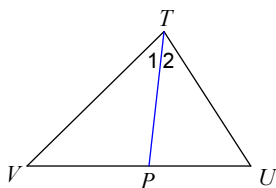
- 373) $m\angle 1 = 2x - 15$ and $m\angle XVW = 2x + 10$.
Find x .



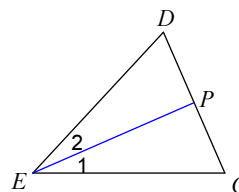
- 374) Find x if $m\angle 1 = -13 + 4x$ and $m\angle 2 = 3x - 1$.



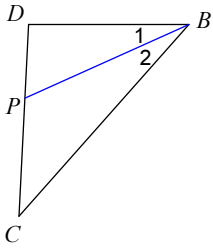
- 375) $m\angle 2 = 2x - 1$ and $m\angle 1 = 3x - 21$.
Find x .



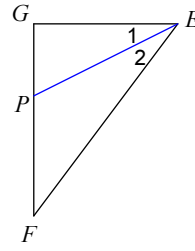
- 376) Find x if $m\angle 1 = x + 8$ and $m\angle CED = x + 31$.



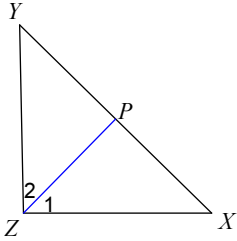
- 377) Find x if $m\angle 2 = 3x - 36$ and $m\angle DBC = 4x - 32$.



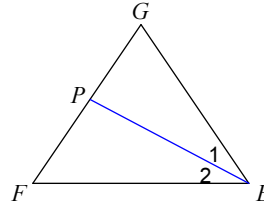
- 378) $m\angle 2 = 2x$ and $m\angle GEF = 5x - 13$. Find x .



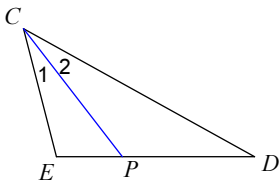
- 379) $m\angle 1 = 4x - 31$ and $m\angle XZY = 4x + 14$. Find x .



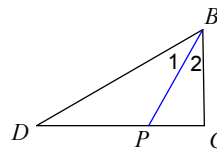
- 380) $m\angle 2 = 2x$ and $m\angle 1 = x + 14$. Find x .



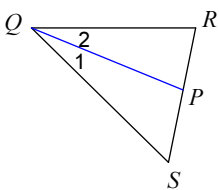
- 381) Find x if $m\angle 2 = 2x + 1$ and $m\angle 1 = 4x - 21$.



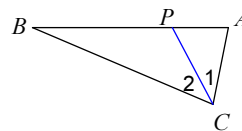
- 382) Find x if $m\angle 2 = 6x$ and $m\angle DBC = 13x - 5$.



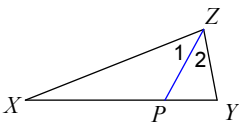
- 383) $m\angle 1 = x + 4$ and $m\angle 2 = 2x - 14$. Find x .



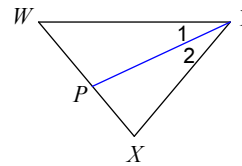
- 384) $m\angle 2 = 8x + 7$ and $m\angle 1 = 7x + 11$. Find x .



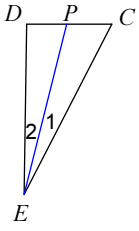
- 385) Find x if $m\angle 1 = 3x - 15$ and $m\angle XZY = 4x + 6$.



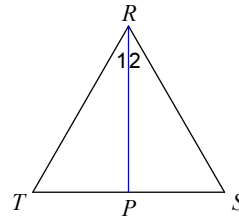
- 386) $m\angle 1 = 6x - 5$ and $m\angle WYX = 10x$. Find x .



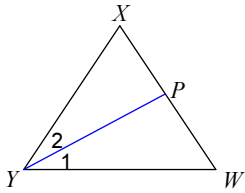
- 387) $m\angle 2 = x - 4$ and $m\angle CED = 3x - 25$.
Find x .



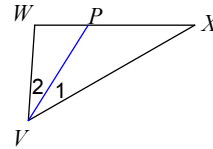
- 388) Find x if $m\angle 1 = 28x + 2$ and $m\angle TRS = 62x - 2$.



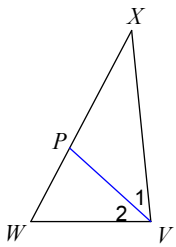
- 389) $m\angle 2 = 26x + 2$ and $m\angle WYX = 58x - 2$.
Find x .



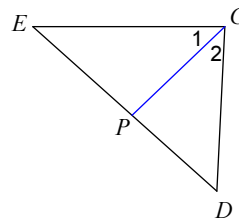
- 390) $m\angle 2 = 3x - 23$ and $m\angle 1 = x + 11$.
Find x .



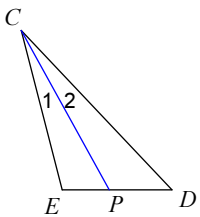
- 391) Find x if $m\angle 2 = 15x - 3$ and $m\angle XVW = 28x$.



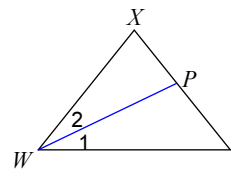
- 392) $m\angle 2 = 9x + 7$ and $m\angle 1 = 12x - 5$.
Find x .



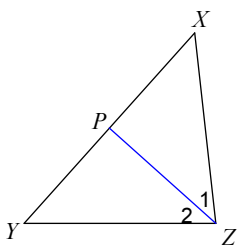
- 393) Find x if $m\angle 2 = 4x - 6$ and $m\angle ECD = 6x - 2$.



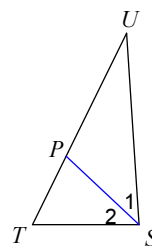
- 394) Find x if $m\angle 2 = x + 7$ and $m\angle YWX = 3x - 4$.



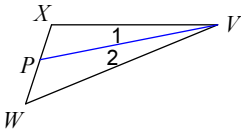
- 395) Find x if $m\angle 2 = 6x + 12$ and $m\angle 1 = 8x + 2$.



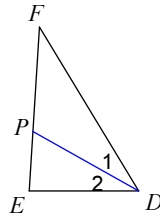
- 396) $m\angle 2 = 4x - 21$ and $m\angle UST = 22 + 4x$.
Find x .



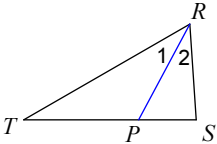
- 397) $m\angle 1 = x - 8$ and $m\angle 2 = 2x - 27$.
Find x .



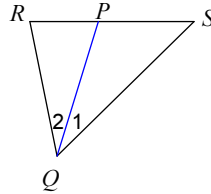
- 398) Find x if $m\angle 2 = 6x - 13$ and $m\angle 1 = 5x - 6$.



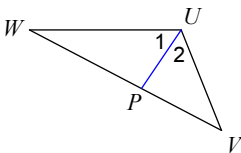
- 399) Find x if $m\angle 1 = 10x - 8$ and $m\angle TRS = -8 + 18x$.



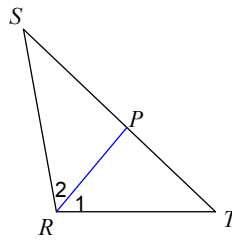
- 400) $m\angle 1 = 3x - 17$ and $m\angle SQR = 3x + 11$.
Find x .



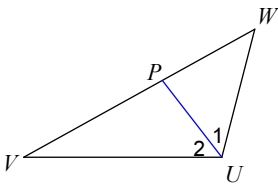
- 401) $m\angle 1 = 2x + 24$ and $m\angle WUV = 11x - 64$.
Find x .



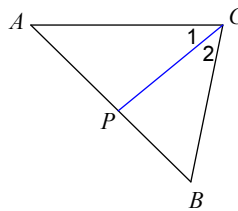
- 402) $m\angle 2 = 5x - 160$ and $m\angle 1 = 4x - 118$.
Find x .



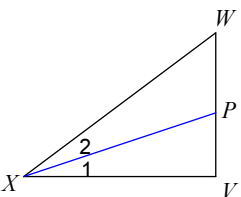
- 403) Find x if $m\angle 2 = 3x + 34$ and $m\angle 1 = 5x + 22$.



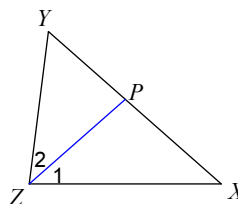
- 404) $m\angle 1 = 5x - 66$ and $m\angle ACB = 5x - 27$.
Find x .



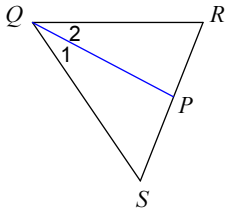
- 405) Find x if $m\angle 2 = 2x - 48$ and $m\angle 1 = 6x - 180$.



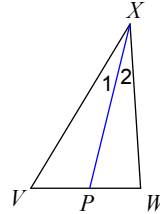
- 406) $m\angle 1 = x - 9$ and $m\angle XZY = 3x - 68$.
Find x .



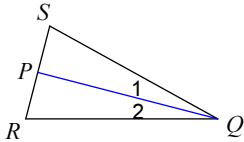
- 407) $m\angle 1 = 5x - 117$ and $m\angle SQR = 4x - 60$.
Find x .



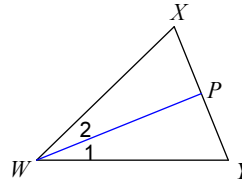
- 408) Find x if $m\angle 2 = 3x - 100$ and $m\angle 1 = 7x - 256$.



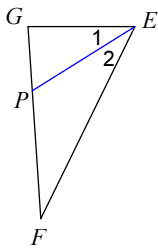
- 409) Find x if $m\angle 1 = 7x - 189$ and $m\angle SQR = 3x - 59$.



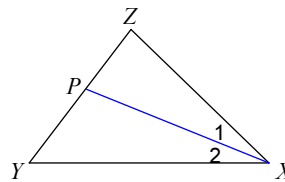
- 410) Find x if $m\angle 2 = 5x - 63$ and $m\angle 1 = 3x - 29$.



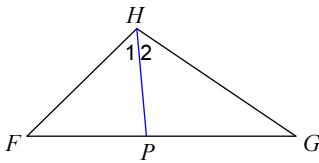
- 411) $m\angle 1 = 3x - 22$ and $m\angle GEF = 3x + 10$.
Find x .



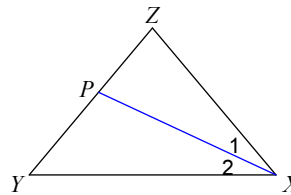
- 412) Find x if $m\angle 1 = 7x - 132$ and $m\angle ZXY = 7x - 110$.



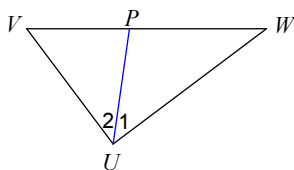
- 413) Find x if $m\angle 2 = 6x - 213$ and $m\angle 1 = -81 + 3x$.



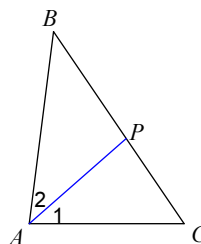
- 414) Find x if $m\angle 1 = 5x - 225$ and $m\angle ZXY = 2x - 50$.



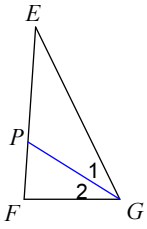
- 415) $m\angle 1 = 2x - 21$ and $m\angle WUV = x + 57$.
Find x .



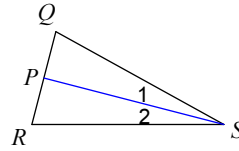
- 416) $m\angle 2 = 4x - 63$ and $m\angle CAB = 4x - 22$.
Find x .



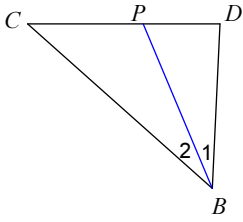
- 417) Find x if $m\angle 2 = 6x - 226$ and $m\angle EGF = 6x - 194$.



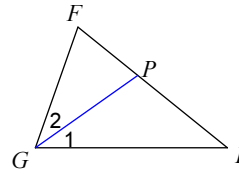
- 418) $m\angle 2 = 7x - 301$ and $m\angle QSR = 6x - 242$. Find x .



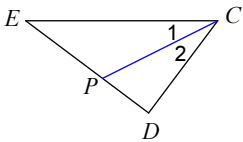
- 419) $m\angle 1 = 17 + x$ and $m\angle DBC = x + 42$. Find x .



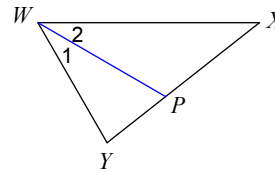
- 420) Find x if $m\angle 1 = 4x - 129$ and $m\angle 2 = -252 + 7x$.



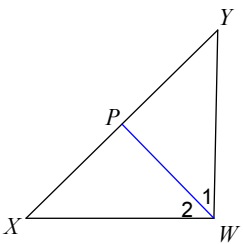
- 421) Find x if $m\angle 2 = 5x - 129$ and $m\angle 1 = 3x - 67$.



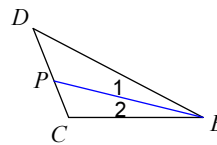
- 422) $m\angle 2 = 3x - 63$ and $m\angle YWX = 5x - 95$. Find x .



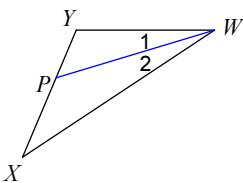
- 423) $m\angle 1 = 3x - 15$ and $m\angle YWX = 2x + 50$. Find x .



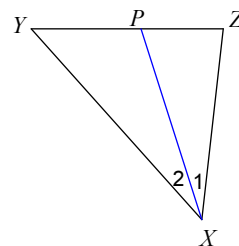
- 424) Find x if $m\angle 1 = 7x - 287$ and $m\angle DBC = 2x - 58$.



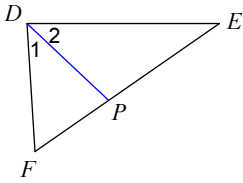
- 425) Find x if $m\angle 1 = 4x - 175$ and $m\angle YWX = x - 14$.



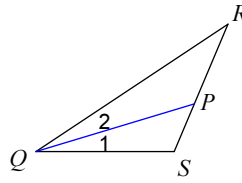
- 426) $m\angle 1 = 7x - 11$ and $m\angle 2 = 6x - 6$. Find x .



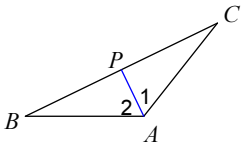
- 427) Find x if $m\angle 1 = 9x - 2$ and $m\angle FDE = 22x - 24$.



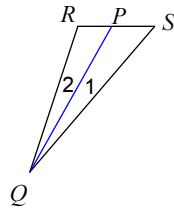
- 428) Find x if $m\angle 2 = 6x - 121$ and $m\angle 1 = x - 6$.



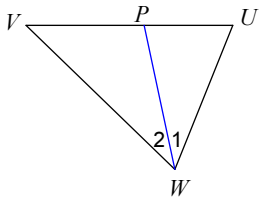
- 429) Find x if $m\angle 1 = x + 45$ and $m\angle 2 = 6x - 50$.



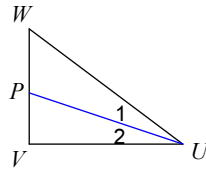
- 430) Find x if $m\angle 2 = 4x - 165$ and $m\angle 1 = 5x - 209$.



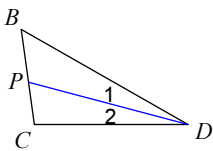
- 431) Find x if $m\angle 2 = 6x - 194$ and $m\angle 1 = 2x - 42$.



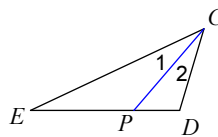
- 432) $m\angle 1 = 5x - 92$ and $m\angle WUV = 7x - 118$. Find x .



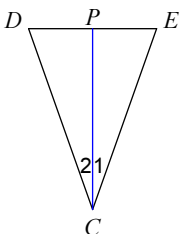
- 433) Find x if $m\angle 2 = x + 11$ and $m\angle 1 = 4x - 1$.



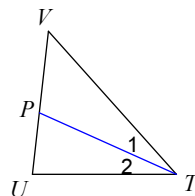
- 434) Find x if $m\angle 2 = 2x - 38$ and $m\angle ECD = 6x - 138$.



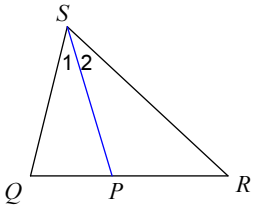
- 435) $m\angle 1 = 14x + 5$ and $m\angle ECD = 6 + 32x$. Find x .



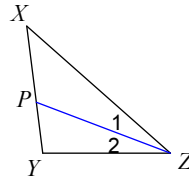
- 436) $m\angle 1 = 2x + 2$ and $m\angle VTU = 9x - 51$. Find x .



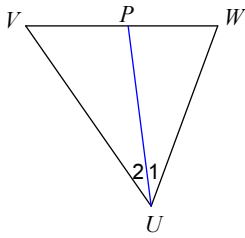
- 437) Find x if $m\angle 1 = 7x - 257$ and $m\angle QSR = 6x - 186$.



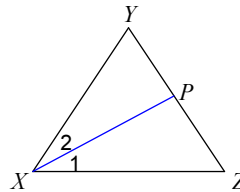
- 438) $m\angle 1 = -52 + 6x$ and $m\angle XZY = 6x - 32$. Find x .



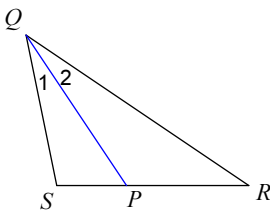
- 439) $m\angle 2 = 5x - 138$ and $m\angle WUV = 4x - 78$. Find x .



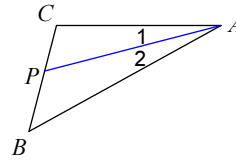
- 440) Find x if $m\angle 1 = 5x - 157$ and $m\angle ZXY = 4x - 92$.



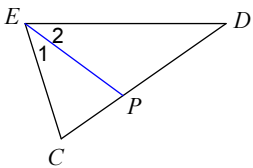
- 441) $m\angle 1 = 4x - 118$ and $m\angle 2 = x - 13$. Find x .



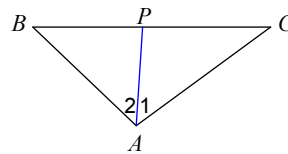
- 442) $m\angle 2 = 5x - 61$ and $m\angle CAB = 7x - 77$. Find x .



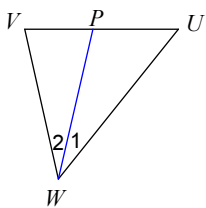
- 443) Find x if $m\angle 1 = 6x - 18$ and $m\angle CED = 4x + 36$.



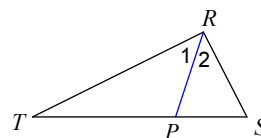
- 444) Find x if $m\angle 2 = 11x - 27$ and $m\angle 1 = 5x + 15$.



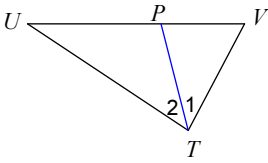
- 445) Find x if $m\angle 1 = x + 16$ and $m\angle 2 = -38 + 7x$.



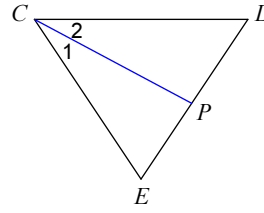
- 446) $m\angle 1 = 6x - 141$ and $m\angle 2 = x + 14$. Find x .



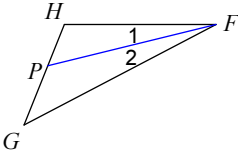
- 447) $m\angle 1 = 6x - 72$ and $m\angle 2 = 7x - 91$.
Find x .



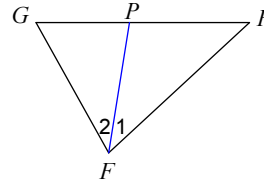
- 448) Find x if $m\angle 2 = 22x + 6$ and $m\angle 1 = 28x$.



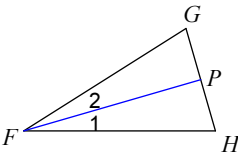
- 449) $m\angle 1 = x - 22$ and $m\angle 2 = 7x - 238$.
Find x .



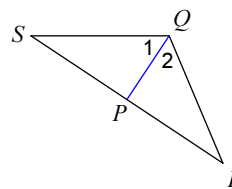
- 450) Find x if $m\angle 2 = 5x - 22$ and $m\angle HFG = x + 64$.



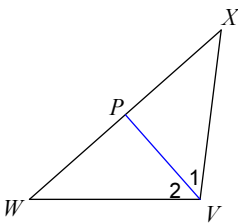
- 451) $m\angle 1 = 3x - 65$ and $m\angle 2 = 7x - 173$.
Find x .



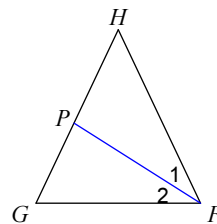
- 452) Find x if $m\angle 1 = x + 36$ and $m\angle SQR = 3x + 52$.



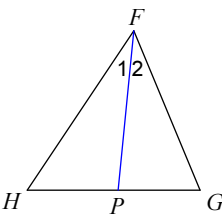
- 453) Find x if $m\angle 1 = 2x - 30$ and $m\angle 2 = -186 + 6x$.



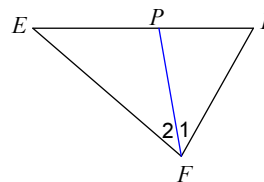
- 454) Find x if $m\angle 1 = 3x - 13$ and $m\angle 2 = 5x - 43$.



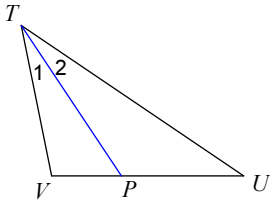
- 455) Find x if $m\angle 1 = 7x - 287$ and $m\angle 2 = 4x - 152$.



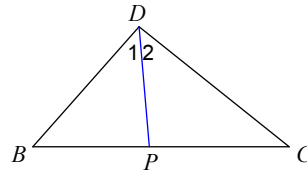
- 456) Find x if $m\angle 2 = 8x - 105$ and $m\angle DFE = 10x - 102$.



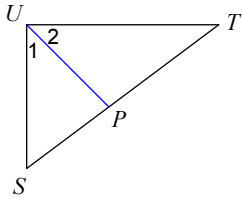
- 457) Find x if $m\angle 1 = 3x - 68$ and $m\angle 2 = -128 + 5x$.



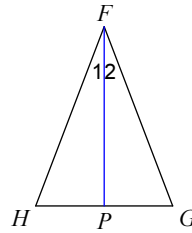
- 458) $m\angle 2 = 27x - 8$ and $m\angle BDC = 46x$. Find x .



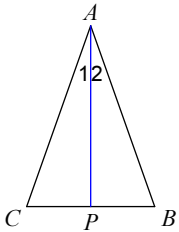
- 459) Find x if $m\angle 1 = x - 1$ and $m\angle 2 = 7x - 277$.



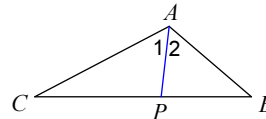
- 460) $m\angle 1 = 7x - 224$ and $m\angle 2 = 2x - 49$. Find x .



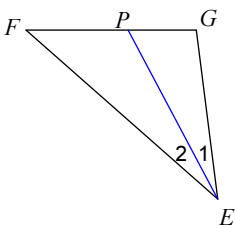
- 461) Find x if $m\angle 1 = x - 12$ and $m\angle 2 = 3x - 74$.



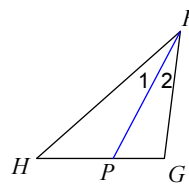
- 462) $m\angle 2 = 3x - 70$ and $m\angle 1 = 4x - 112$. Find x .



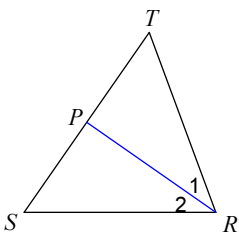
- 463) $m\angle 2 = x + 5$ and $m\angle GEF = 4x - 20$. Find x .



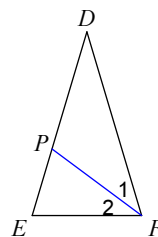
- 464) $m\angle 2 = 7x - 36$ and $m\angle HFG = 6x - 8$. Find x .



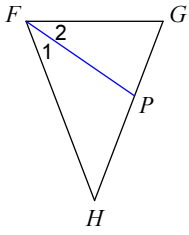
- 465) $m\angle 2 = 3x + 23$ and $m\angle TRS = 14x + 14$. Find x .



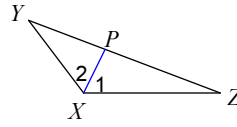
- 466) $m\angle 2 = 5x - 124$ and $m\angle 1 = -188 + 7x$. Find x .



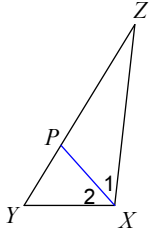
- 467) Find x if $m\angle 2 = 3x - 83$ and $m\angle 1 = 5x - 161$.



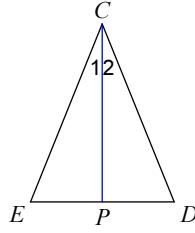
- 468) Find x if $m\angle 1 = x + 42$ and $m\angle ZXY = 5x + 21$.



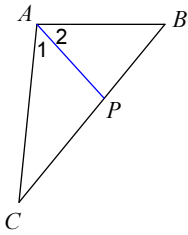
- 469) $m\angle 2 = 12x - 24$ and $m\angle 1 = 11x - 18$. Find x .



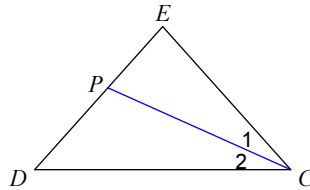
- 470) Find x if $m\angle 1 = 5x - 23$ and $m\angle ECD = -37 + 9x$.



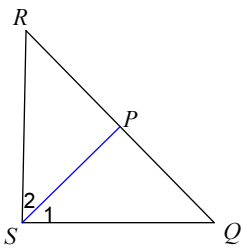
- 471) Find x if $m\angle 2 = 2x + 8$ and $m\angle CAB = 8x - 64$.



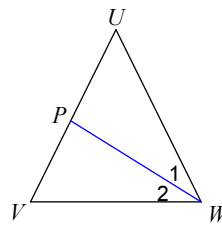
- 472) Find x if $m\angle 2 = 20x + 4$ and $m\angle ECD = 42x + 6$.



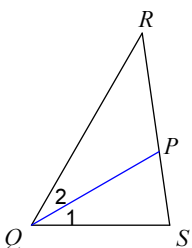
- 473) $m\angle 2 = x - 5$ and $m\angle QSR = 5x - 157$. Find x .



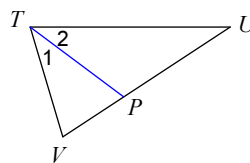
- 474) $m\angle 2 = -80 + 4x$ and $m\angle 1 = 6x - 136$. Find x .



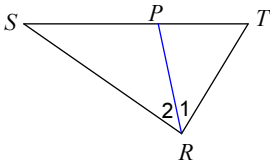
- 475) Find x if $m\angle 1 = 2x + 4$ and $m\angle 2 = x + 17$.



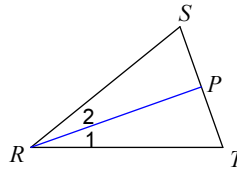
- 476) Find x if $m\angle 1 = 4x - 76$ and $m\angle VTU = 4x - 40$.



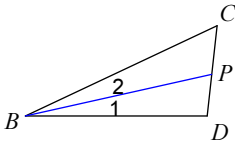
- 477) $m\angle 2 = 4x - 97$ and $m\angle 1 = 5x - 132$.
Find x .



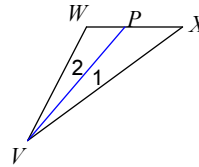
- 478) $m\angle 1 = 3 + x$ and $m\angle TRS = 8x - 90$.
Find x .



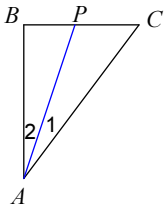
- 479) $m\angle 2 = 7x - 254$ and $m\angle DBC = 4x - 128$.
Find x .



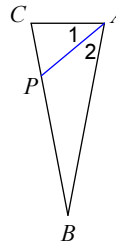
- 480) Find x if $m\angle 1 = 2x - 3$ and $m\angle XVW = -38 + 8x$.



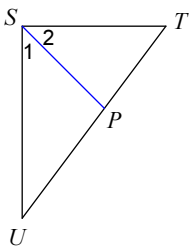
- 481) $m\angle 2 = 4x - 2$ and $m\angle CAB = 5x + 11$.
Find x .



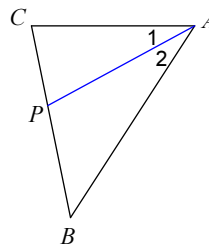
- 482) Find x if $m\angle 2 = 6x - 255$ and $m\angle 1 = x - 10$.



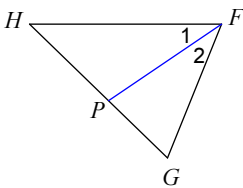
- 483) Find x if $m\angle 2 = 8x - 107$ and $m\angle 1 = 6x - 69$.



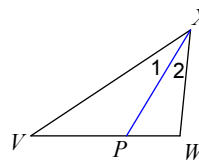
- 484) Find x if $m\angle 2 = 4x - 96$ and $m\angle CAB = 4x - 68$.



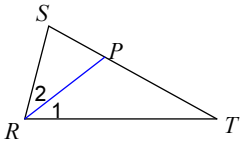
- 485) Find x if $m\angle 1 = -152 + 6x$ and $m\angle 2 = 2x - 28$.



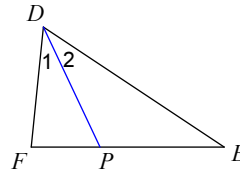
- 486) Find x if $m\angle 2 = 6x - 161$ and $m\angle VXXW = 6x - 136$.



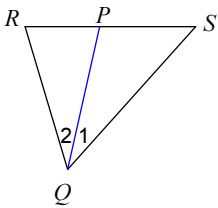
- 487) Find x if $m\angle 2 = 5x - 212$ and $m\angle 1 = x - 12$.



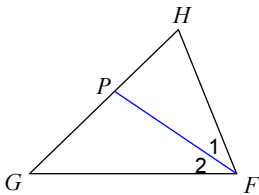
- 488) Find x if $m\angle 2 = 7x - 186$ and $m\angle 1 = 3x - 62$.



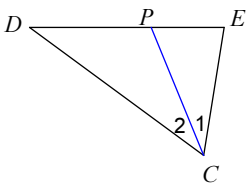
- 489) Find x if $m\angle 2 = 2x - 67$ and $m\angle SQR = 7x - 278$.



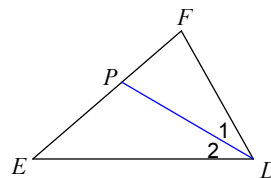
- 490) $m\angle 1 = 4x - 166$ and $m\angle HFG = -182 + 5x$.
Find x .



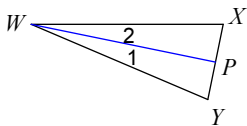
- 491) $m\angle 1 = 5x - 69$ and $m\angle 2 = 2x - 9$.
Find x .



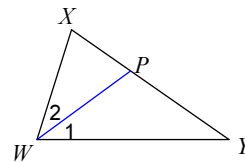
- 492) $m\angle 1 = 7x - 166$ and $m\angle FDE = 7x - 136$.
Find x .



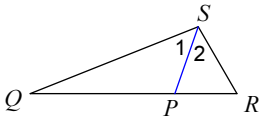
- 493) Find x if $m\angle 1 = 5x - 34$ and $m\angle 2 = 2x - 7$.



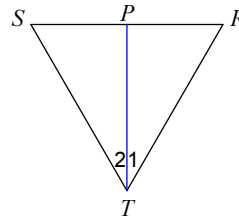
- 494) Find x if $m\angle 2 = 7x - 139$ and $m\angle YWX = 6x - 78$.



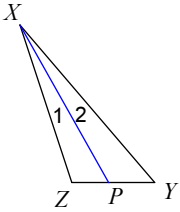
- 495) $m\angle 2 = 3x - 62$ and $m\angle 1 = 5x - 136$.
Find x .



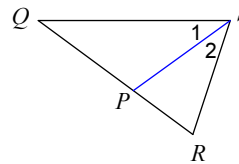
- 496) Find x if $m\angle 2 = -131 + 7x$ and $m\angle RTS = 4x - 32$.



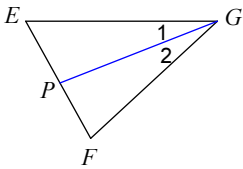
- 497) $m\angle 1 = 7x - 10$ and $m\angle ZXY = 2x + 16$.
Find x .



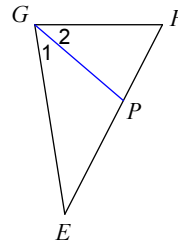
- 498) Find x if $m\angle 2 = 38x - 2$ and $m\angle 1 = 32x + 4$.



- 499) Find x if $m\angle 1 = x - 7$ and $m\angle 2 = 3x - 63$.

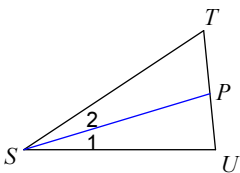


- 500) Find x if $m\angle 1 = 5x - 160$ and $m\angle EGF = 5x - 120$.

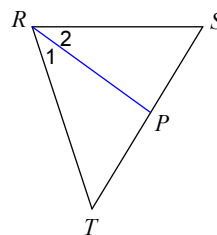


Find measurement by solving for x :

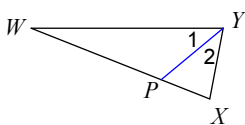
- 501) $m\angle 1 = 9 + x$ and $m\angle 2 = 3x - 7$.
Find $m\angle UST$.



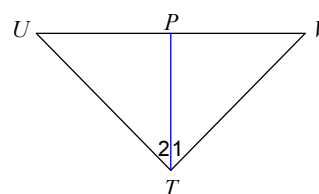
- 502) Find $m\angle 2$ if $m\angle 1 = 5x + 1$ and $m\angle 2 = 4x + 8$.



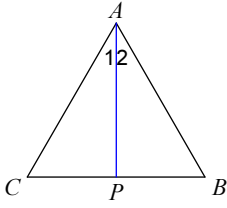
- 503) $m\angle 2 = 7x + 4$ and $m\angle 1 = 8x - 1$.
Find $m\angle 1$.



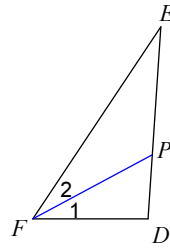
- 504) Find $m\angle VTU$ if $m\angle 1 = 13x + 5$ and $m\angle VTU = 29x + 1$.



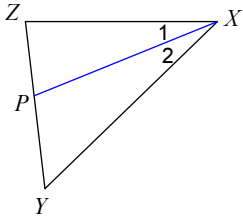
- 505) Find $m\angle 2$ if $m\angle 2 = 31x - 1$ and $m\angle CAB = 61x - 1$.



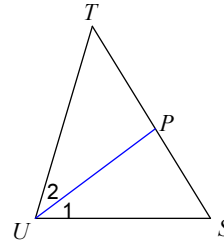
- 506) $m\angle 1 = -7 + 5x$ and $m\angle 2 = 3x + 7$. Find $m\angle DFE$.



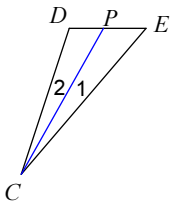
- 507) $m\angle 1 = 4x + 2$ and $m\angle 2 = 3x + 7$. Find $m\angle 2$.



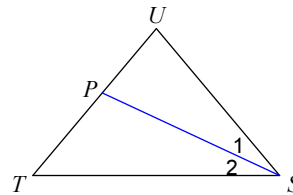
- 508) Find $m\angle 2$ if $m\angle 2 = 7x + 1$ and $m\angle 1 = 8x - 4$.



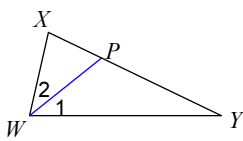
- 509) $m\angle 2 = 5x + 1$ and $m\angle 1 = 3 + 4x$. Find $m\angle 1$.



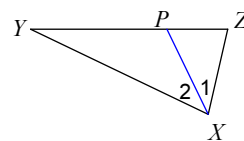
- 510) Find $m\angle 1$ if $m\angle 1 = 2x + 11$ and $m\angle UST = 8 + 6x$.



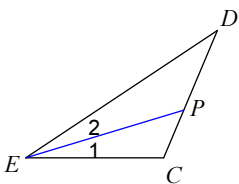
- 511) $m\angle 2 = 13x - 1$ and $m\angle YWX = 25x + 1$. Find $m\angle YWX$.



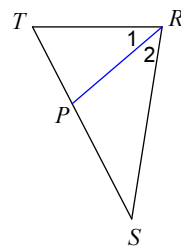
- 512) $m\angle 2 = 12x + 2$ and $m\angle ZXY = 26x - 2$. Find $m\angle 2$.



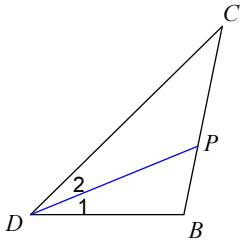
- 513) Find $m\angle 2$ if $m\angle 2 = 4x + 5$ and $m\angle CED = 12x - 2$.



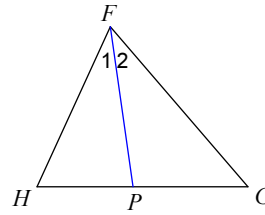
- 514) Find $m\angle 2$ if $m\angle 1 = 10x$ and $m\angle 2 = 11x - 4$.



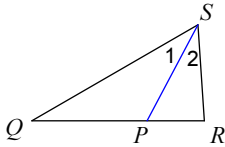
- 515) Find $m\angle BDC$ if $m\angle 2 = 7x + 1$ and $m\angle BDC = 13x + 5$.



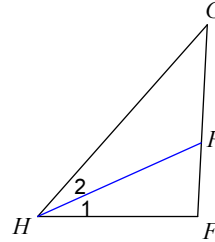
- 516) Find $m\angle HFG$ if $m\angle 2 = 8 + 3x$ and $m\angle HFG = 7x + 8$.



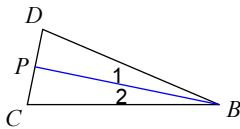
- 517) Find $m\angle QSR$ if $m\angle 1 = 33x - 1$ and $m\angle QSR = 65x - 1$.



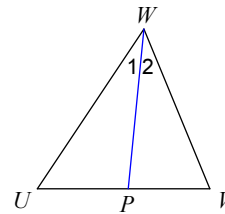
- 518) $m\angle 2 = -8 + 4x$ and $m\angle FHG = 7x - 8$. Find $m\angle 1$.



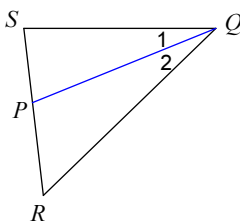
- 519) $m\angle 2 = 6x - 1$ and $m\angle 1 = 3 + 4x$. Find $m\angle DBC$.



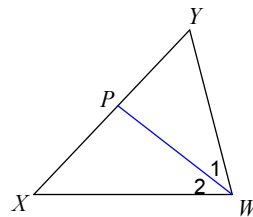
- 520) $m\angle 2 = 15x - 2$ and $m\angle UWW = 28x$. Find $m\angle UWW$.



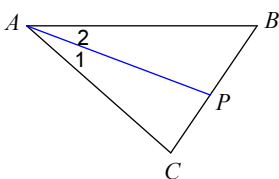
- 521) Find $m\angle SQR$ if $m\angle 1 = 3x - 2$ and $m\angle SQR = 4x + 12$.



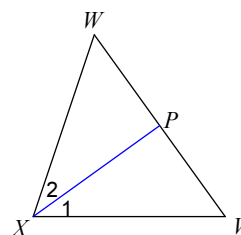
- 522) $m\angle 2 = 7x + 3$ and $m\angle 1 = 8x - 2$. Find $m\angle 1$.



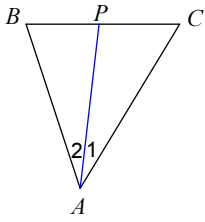
- 523) Find $m\angle CAB$ if $m\angle 1 = 3x - 4$ and $m\angle 2 = x + 12$.



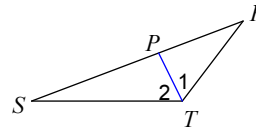
- 524) Find $m\angle 2$ if $m\angle 1 = 7x + 7$ and $m\angle VXW = 6 + 16x$.



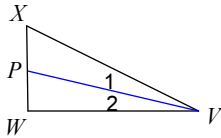
- 525) Find $m\angle 1$ if $m\angle 2 = 12x$ and $m\angle 1 = 13x - 2$.



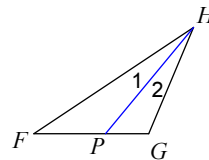
- 526) $m\angle 1 = -3 + 11x$ and $m\angle 2 = 9x + 9$. Find $m\angle 1$.



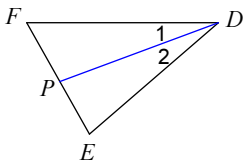
- 527) $m\angle 2 = 4x + 1$ and $m\angle 1 = 3x + 4$. Find $m\angle XVW$.



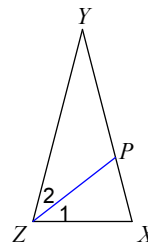
- 528) Find $m\angle FHG$ if $m\angle 1 = -3 + 4x$ and $m\angle FHG = 5x + 9$.



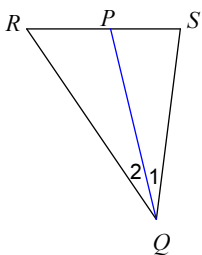
- 529) Find $m\angle 2$ if $m\angle 2 = 3x - 4$ and $m\angle 1 = x + 12$.



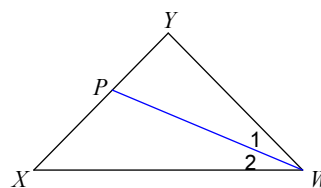
- 530) Find $m\angle XZY$ if $m\angle 1 = -1 + 39x$ and $m\angle 2 = 38x$.



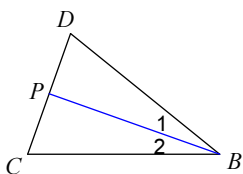
- 531) $m\angle 2 = 2x + 8$ and $m\angle SQR = 5x + 10$. Find $m\angle 2$.



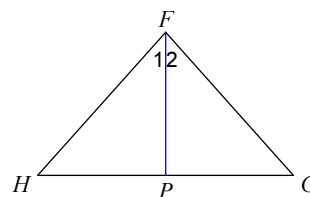
- 532) Find $m\angle 2$ if $m\angle 2 = 8x - 1$ and $m\angle YWX = 14x + 4$.



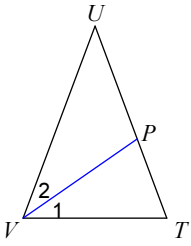
- 533) Find $m\angle 2$ if $m\angle 1 = 9x + 1$ and $m\angle DBC = 19x$.



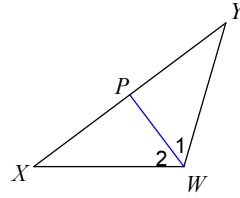
- 534) Find $m\angle 1$ if $m\angle 2 = 4x + 10$ and $m\angle HFG = 10x + 4$.



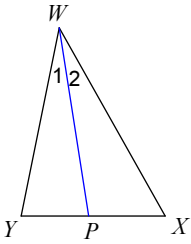
- 535) Find $m\angle TVU$ if $m\angle 1 = 10x + 5$ and $m\angle 2 = 2 + 11x$.



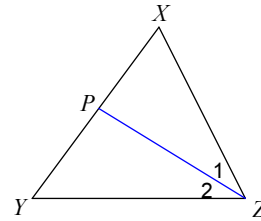
- 536) $m\angle 1 = 12x + 5$ and $m\angle 2 = 13x + 1$. Find $m\angle YWX$.



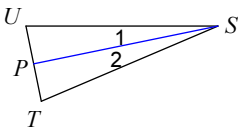
- 537) $m\angle 1 = 21x - 1$ and $m\angle 2 = 20x$. Find $m\angle 2$.



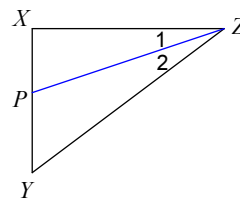
- 538) $m\angle 1 = 15x + 1$ and $m\angle 2 = 14x + 3$. Find $m\angle 2$.



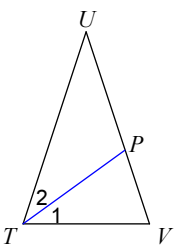
- 539) $m\angle 1 = x + 5$ and $m\angle UST = 3x + 4$. Find $m\angle UST$.



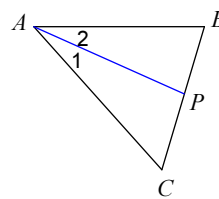
- 540) Find $m\angle 1$ if $m\angle 1 = 19x - 1$ and $m\angle XZY = 37x - 1$.



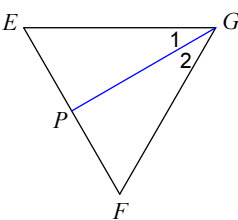
- 541) $m\angle 2 = 19x - 2$ and $m\angle VTU = 35x + 2$. Find $m\angle 1$.



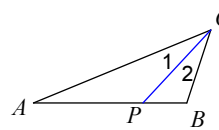
- 542) $m\angle 1 = 12x$ and $m\angle CAB = 25x - 2$. Find $m\angle CAB$.



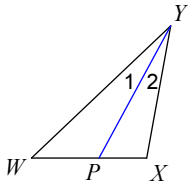
- 543) Find $m\angle EGF$ if $m\angle 1 = 4x - 2$ and $m\angle 2 = 3x + 6$.



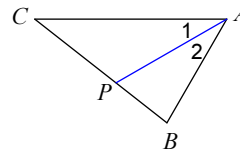
- 544) $m\angle 1 = 7x + 3$ and $m\angle 2 = 9x - 3$. Find $m\angle 2$.



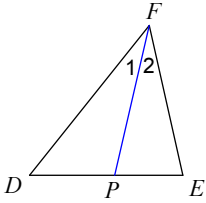
- 545) $m\angle 2 = -6 + 4x$ and $m\angle 1 = 3x$.
Find $m\angle WYX$.



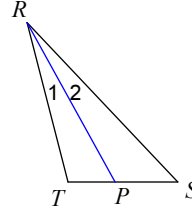
- 546) $m\angle 1 = 5x - 5$ and $m\angle CAB = 8x + 4$.
Find $m\angle CAB$.



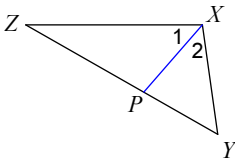
- 547) Find $m\angle 2$ if $m\angle 2 = 24x + 1$ and $m\angle 1 = 25x$.



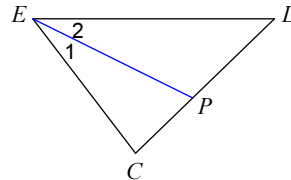
- 548) $m\angle 2 = 2x - 2$ and $m\angle TRS = 3x + 4$.
Find $m\angle TRS$.



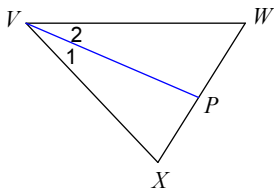
- 549) Find $m\angle ZXY$ if $m\angle 2 = 8x + 9$ and $m\angle ZXY = 18x + 8$.



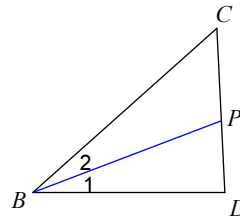
- 550) Find $m\angle CED$ if $m\angle 1 = 2 + 12x$ and $m\angle CED = -2 + 27x$.



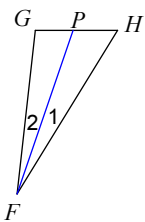
- 551) Find $m\angle XVW$ if $m\angle 1 = -1 + 6x$ and $m\angle 2 = 7 + 4x$.



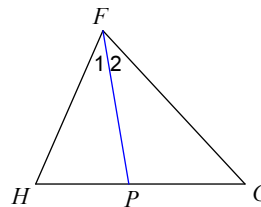
- 552) $m\angle 1 = 2x + 9$ and $m\angle 2 = 4x - 3$.
Find $m\angle 2$.



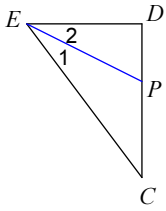
- 553) Find $m\angle 1$ if $m\angle 1 = 13x - 1$ and $m\angle 2 = 12x$.



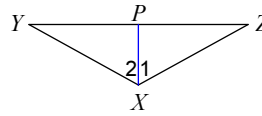
- 554) $m\angle 2 = 6x - 3$ and $m\angle HFG = 10x + 6$.
Find $m\angle HFG$.



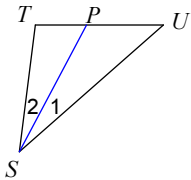
- 555) Find $m\angle 2$ if $m\angle 1 = 4x + 6$ and $m\angle 2 = 1 + 5x$.



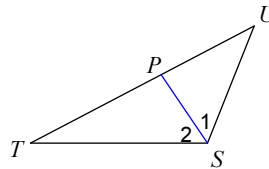
- 556) Find $m\angle ZXY$ if $m\angle 2 = 12x + 1$ and $m\angle 1 = 13x - 4$.



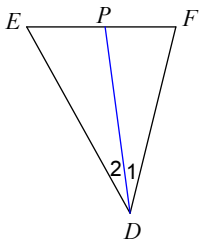
- 557) $m\angle 2 = 5x$ and $m\angle UST = 11x - 4$. Find $m\angle UST$.



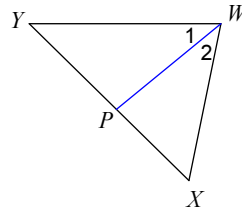
- 558) $m\angle 1 = 8x + 8$ and $m\angle UST = 19x - 2$. Find $m\angle 1$.



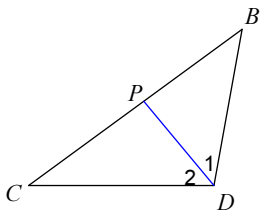
- 559) Find $m\angle FDE$ if $m\angle 1 = 2x + 7$ and $m\angle 2 = 4x - 7$.



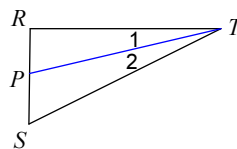
- 560) $m\angle 1 = 8x - 1$ and $m\angle YWX = 15x + 3$. Find $m\angle YWX$.



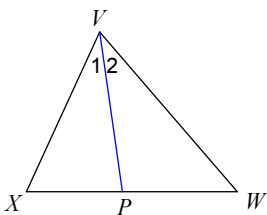
- 561) $m\angle 1 = 25x$ and $m\angle 2 = 26x - 2$. Find $m\angle 2$.



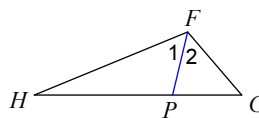
- 562) Find $m\angle RTS$ if $m\angle 2 = 2x - 1$ and $m\angle RTS = 3x + 5$.



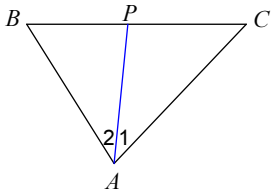
- 563) $m\angle 1 = 33x - 1$ and $m\angle XVW = 64x$. Find $m\angle XVW$.



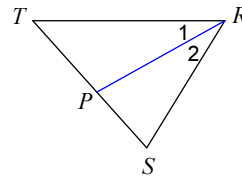
- 564) $m\angle 1 = 17x + 3$ and $m\angle 2 = 19x - 3$. Find $m\angle HFG$.



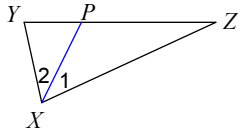
- 565) $m\angle 2 = 18x + 2$ and $m\angle CAB = 38x$.
Find $m\angle 2$.



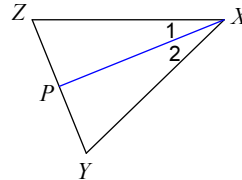
- 566) Find $m\angle TRS$ if $m\angle 1 = 6x - 1$ and $m\angle TRS = 11x + 3$.



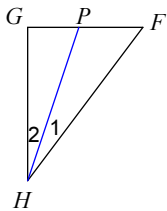
- 567) Find $m\angle ZXY$ if $m\angle 1 = 4x + 11$ and $m\angle ZXY = 10x + 8$.



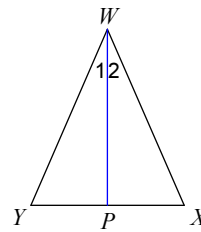
- 568) Find $m\angle 2$ if $m\angle 2 = 2x + 10$ and $m\angle ZXY = 8x - 4$.



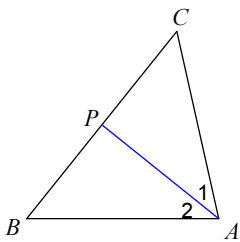
- 569) Find $m\angle FHG$ if $m\angle 2 = 5x + 3$ and $m\angle FHG = 11x + 3$.



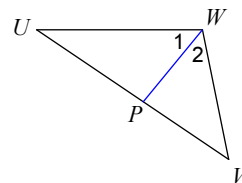
- 570) Find $m\angle 2$ if $m\angle 2 = -1 + 24x$ and $m\angle 1 = 23x$.



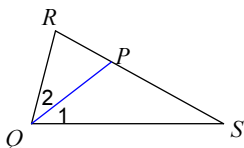
- 571) Find $m\angle CAB$ if $m\angle 1 = 12x + 2$ and $m\angle 2 = 11x + 5$.



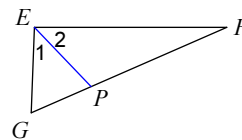
- 572) Find $m\angle UWV$ if $m\angle 1 = 7x + 2$ and $m\angle 2 = 8x - 5$.



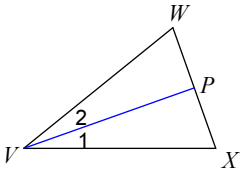
- 573) Find $m\angle SQR$ if $m\angle 1 = 12x + 2$ and $m\angle 2 = 11x + 5$.



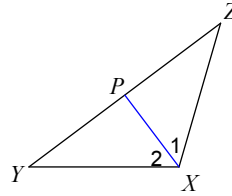
- 574) Find $m\angle 1$ if $m\angle 2 = 14x + 4$ and $m\angle GEF = 29x + 5$.



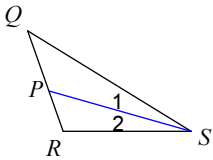
- 575) Find $m\angle 1$ if $m\angle 2 = 3x + 7$ and $m\angle XVW = 10x - 2$.



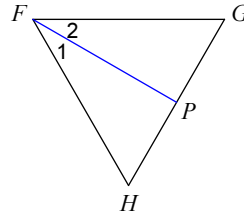
- 576) $m\angle 1 = 13 + 5x$ and $m\angle ZXY = 12x + 10$. Find $m\angle ZXY$.



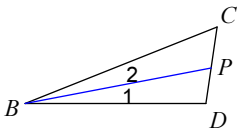
- 577) $m\angle 1 = 4x - 4$ and $m\angle QSR = 6x + 2$. Find $m\angle 2$.



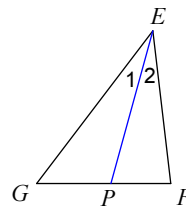
- 578) $m\angle 2 = -2 + 8x$ and $m\angle 1 = 7x + 2$. Find $m\angle 1$.



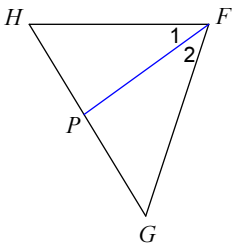
- 579) $m\angle 2 = 11x$ and $m\angle 1 = 10x + 1$. Find $m\angle DBC$.



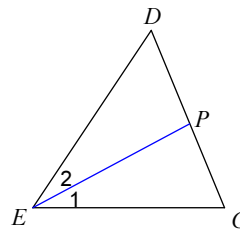
- 580) Find $m\angle GEF$ if $m\angle 2 = 11x$ and $m\angle GEF = 23x - 2$.



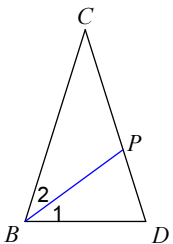
- 581) $m\angle 2 = 5x + 1$ and $m\angle HFG = 9x + 9$. Find $m\angle HFG$.



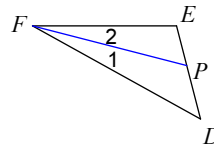
- 582) $m\angle 1 = 3x + 7$ and $m\angle CED = 8x$. Find $m\angle 2$.



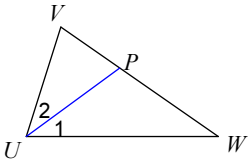
- 583) Find $m\angle 2$ if $m\angle 2 = 10x - 4$ and $m\angle 1 = 4 + 8x$.



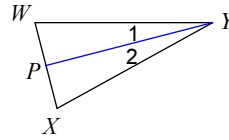
- 584) $m\angle 1 = 15x - 1$ and $m\angle 2 = 13x + 1$. Find $m\angle 1$.



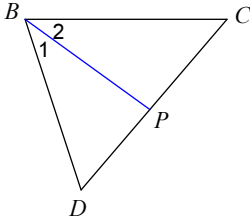
- 585) Find $m\angle 1$ if $m\angle 2 = 37x - 1$ and $m\angle 1 = 35x + 1$.



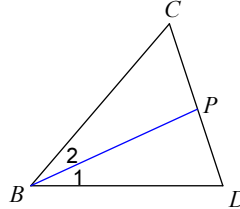
- 586) $m\angle 1 = 2x + 6$ and $m\angle WYX = 8x - 4$. Find $m\angle 2$.



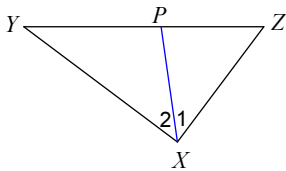
- 587) Find $m\angle DBC$ if $m\angle 1 = -2 + 19x$ and $m\angle 2 = 18x$.



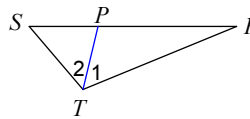
- 588) $m\angle 2 = 8x$ and $m\angle 1 = -3 + 9x$. Find $m\angle DBC$.



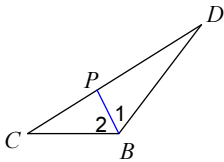
- 589) $m\angle 1 = 21x + 3$ and $m\angle ZXY = 45x$. Find $m\angle ZXY$.



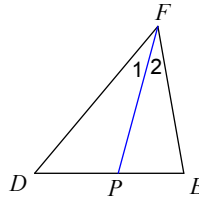
- 590) $m\angle 2 = 10x + 4$ and $m\angle 1 = 11x - 1$. Find $m\angle RTS$.



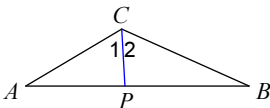
- 591) Find $m\angle DBC$ if $m\angle 1 = -1 + 16x$ and $m\angle 2 = 15x + 3$.



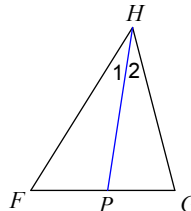
- 592) $m\angle 1 = 6x + 1$ and $m\angle 2 = 7x - 3$. Find $m\angle DFE$.



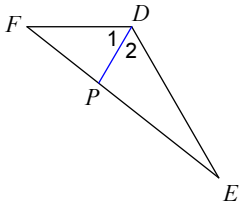
- 593) Find $m\angle ACB$ if $m\angle 2 = 15x + 2$ and $m\angle 1 = 14x + 6$.



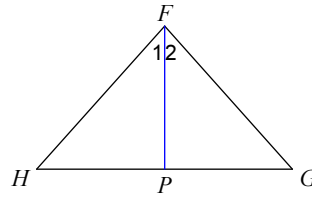
- 594) $m\angle 1 = 2x + 9$ and $m\angle FHG = 6x + 4$. Find $m\angle 2$.



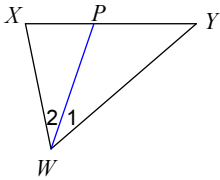
- 595) Find $m\angle FDE$ if $m\angle 2 = 61x - 1$ and $m\angle FDE = 119x + 1$.



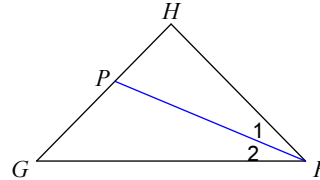
- 596) Find $m\angle HFG$ if $m\angle 2 = 9x + 6$ and $m\angle 1 = 10x + 2$.



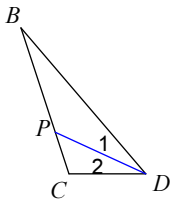
- 597) Find $m\angle 2$ if $m\angle 2 = 7x - 5$ and $m\angle 1 = 6x$.



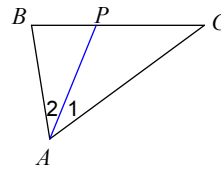
- 598) $m\angle 1 = 2x + 11$ and $m\angle 2 = 3x + 5$. Find $m\angle 1$.



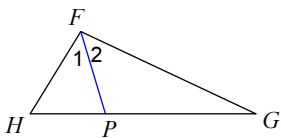
- 599) $m\angle 1 = 7x - 4$ and $m\angle BDC = 11x + 4$. Find $m\angle BDC$.



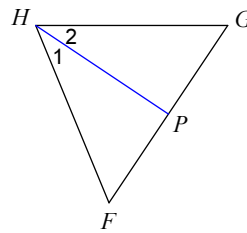
- 600) $m\angle 1 = 8x - 1$ and $m\angle 2 = 6x + 7$. Find $m\angle 2$.



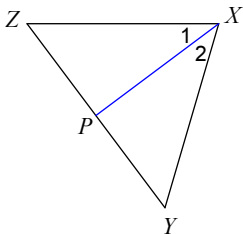
- 601) Find $m\angle HFG$ if $m\angle 1 = 5x - 7$ and $m\angle HFG = 8x + 8$.



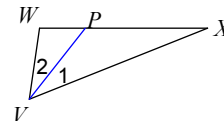
- 602) Find $m\angle FHG$ if $m\angle 1 = 3x - 3$ and $m\angle FHG = 5x + 6$.



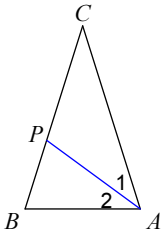
- 603) Find $m\angle 2$ if $m\angle 1 = 4x + 1$ and $m\angle ZXY = 7x + 11$.



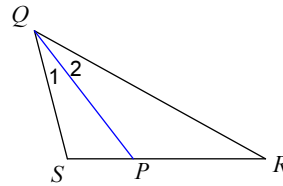
- 604) Find $m\angle 1$ if $m\angle 1 = 14x + 2$ and $m\angle XVW = 30x$.



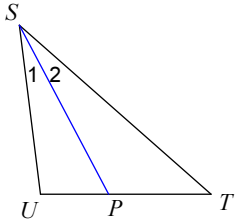
- 605) $m\angle 1 = x + 22$ and $m\angle 2 = 3x - 6$.
Find $m\angle 1$.



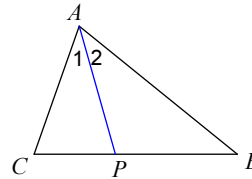
- 606) Find $m\angle SQR$ if $m\angle 2 = x + 14$ and $m\angle 1 = 3x - 4$.



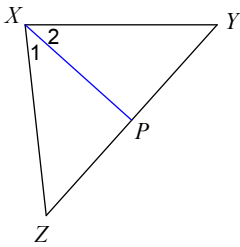
- 607) Find $m\angle 2$ if $m\angle 1 = 2x + 6$ and $m\angle 2 = 3x - 1$.



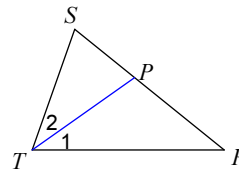
- 608) Find $m\angle 1$ if $m\angle 1 = 34x + 1$ and $m\angle 2 = 36x - 1$.



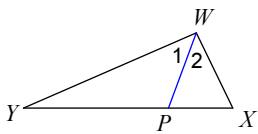
- 609) Find $m\angle 2$ if $m\angle 2 = 7x - 7$ and $m\angle 1 = 6x$.



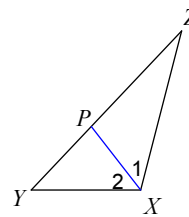
- 610) Find $m\angle 1$ if $m\angle 2 = 7x + 7$ and $m\angle 1 = 9x - 1$.



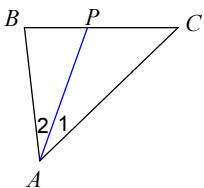
- 611) Find $m\angle 1$ if $m\angle 2 = 22x + 2$ and $m\angle 1 = 24x - 2$.



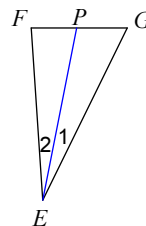
- 612) Find $m\angle ZXY$ if $m\angle 1 = 5x + 12$ and $m\angle ZXY = 14x - 8$.



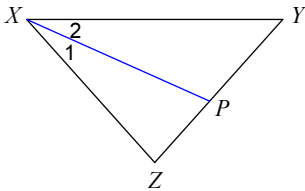
- 613) $m\angle 2 = 6x - 4$ and $m\angle 1 = 4x + 6$.
Find $m\angle 1$.



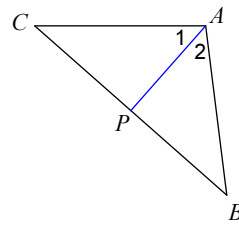
- 614) $m\angle 2 = 2x - 1$ and $m\angle GEF = 2x + 14$.
Find $m\angle 2$.



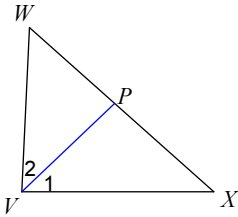
- 615) Find $m\angle ZXY$ if $m\angle 2 = 4x$ and $m\angle 1 = 5x - 6$.



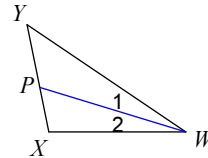
- 616) Find $m\angle CAB$ if $m\angle 2 = 23x + 2$ and $m\angle CAB = 47x + 2$.



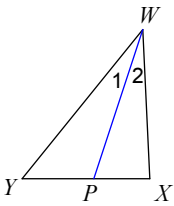
- 617) $m\angle 1 = 3x + 7$ and $m\angle 2 = 2x + 19$. Find $m\angle XVW$.



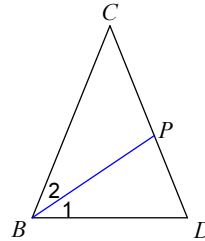
- 618) $m\angle 1 = 2x - 3$ and $m\angle YWX = 3x + 4$. Find $m\angle 2$.



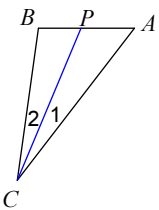
- 619) Find $m\angle YWX$ if $m\angle 2 = 3x - 9$ and $m\angle 1 = 2x + 1$.



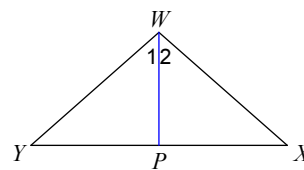
- 620) $m\angle 1 = 4 + 10x$ and $m\angle DBC = 22x + 2$. Find $m\angle DBC$.



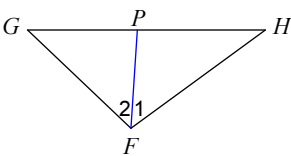
- 621) $m\angle 1 = 4 + x$ and $m\angle ACB = x + 19$. Find $m\angle ACB$.



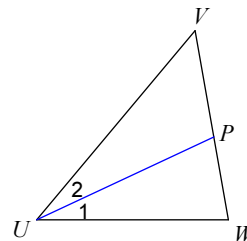
- 622) Find $m\angle YWX$ if $m\angle 1 = 49x - 1$ and $m\angle YWX = 96x$.



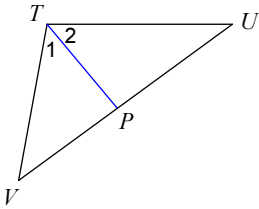
- 623) Find $m\angle HFG$ if $m\angle 1 = 8x - 6$ and $m\angle HFG = 13x + 9$.



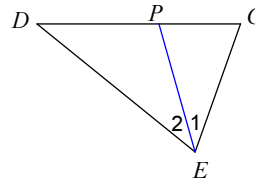
- 624) $m\angle 1 = 3x + 4$ and $m\angle 2 = -3 + 4x$. Find $m\angle 2$.



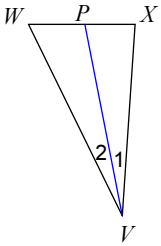
- 625) $m\angle 2 = 51x - 1$ and $m\angle 1 = 50x$.
Find $m\angle VTU$.



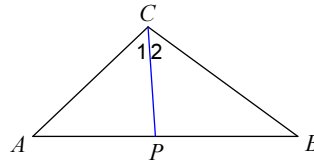
- 626) $m\angle 1 = 4x + 11$ and $m\angle 2 = 5x + 5$.
Find $m\angle CED$.



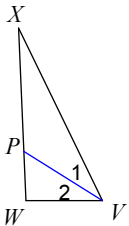
- 627) $m\angle 1 = 16x - 1$ and $m\angle 2 = 15x$.
Find $m\angle 2$.



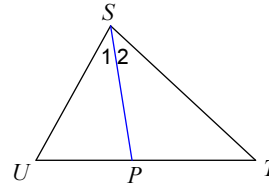
- 628) $m\angle 1 = 4x + 14$ and $m\angle 2 = 6x - 4$.
Find $m\angle 2$.



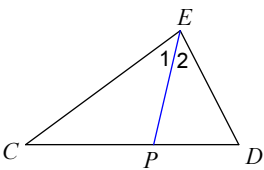
- 629) Find $m\angle XVW$ if $m\angle 2 = 4x + 4$ and $m\angle XVW = 10x - 6$.



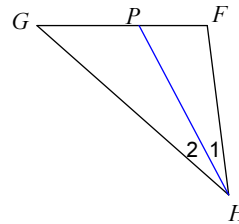
- 630) $m\angle 1 = 5 + 11x$ and $m\angle 2 = 13x - 1$.
Find $m\angle 2$.



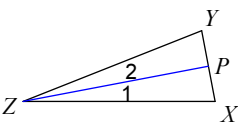
- 631) Find $m\angle 2$ if $m\angle 2 = 2x + 18$ and $m\angle 1 = 4x - 4$.



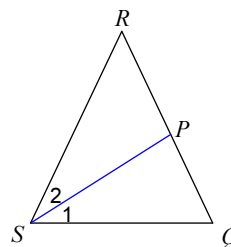
- 632) $m\angle 1 = 3x + 5$ and $m\angle 2 = 4x$.
Find $m\angle 1$.



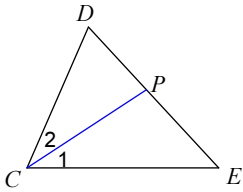
- 633) $m\angle 1 = 2x - 13$ and $m\angle 2 = x - 1$.
Find $m\angle XZY$.



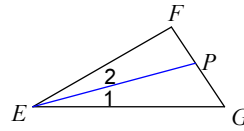
- 634) $m\angle 1 = 3x - 4$ and $m\angle 2 = 2x + 8$.
Find $m\angle QSR$.



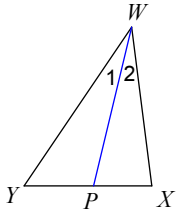
- 635) Find $m\angle ECD$ if $m\angle 2 = 5x - 2$ and $m\angle ECD = 8x + 10$.



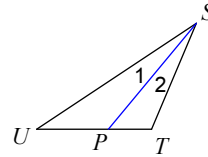
- 636) Find $m\angle 1$ if $m\angle 1 = 6x - 3$ and $m\angle GEF = 11x - 3$.



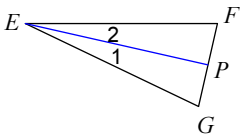
- 637) Find $m\angle YWX$ if $m\angle 2 = 4x - 4$ and $m\angle 1 = 2 + 3x$.



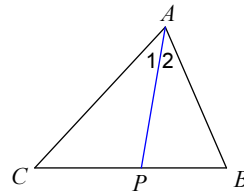
- 638) Find $m\angle UST$ if $m\angle 2 = 2x - 5$ and $m\angle UST = 2x + 12$.



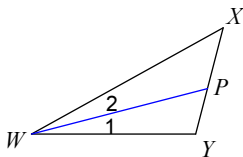
- 639) Find $m\angle GEF$ if $m\angle 2 = 2x - 1$ and $m\angle 1 = x + 6$.



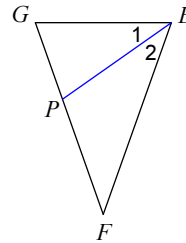
- 640) $m\angle 2 = 2x + 15$ and $m\angle CAB = 8x - 6$. Find $m\angle CAB$.



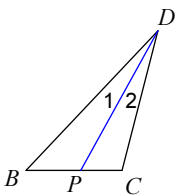
- 641) Find $m\angle 2$ if $m\angle 1 = 2x + 2$ and $m\angle 2 = x + 8$.



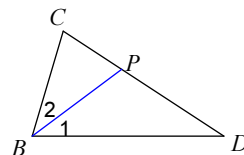
- 642) $m\angle 2 = -1 + 12x$ and $m\angle 1 = 11x + 2$. Find $m\angle GEF$.



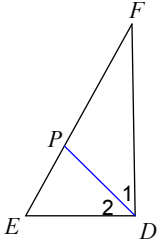
- 643) $m\angle 1 = x + 3$ and $m\angle BDC = 3x - 5$. Find $m\angle 1$.



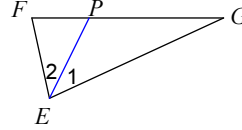
- 644) $m\angle 1 = 6 + 5x$ and $m\angle DBC = 11x + 6$. Find $m\angle DBC$.



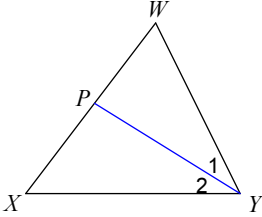
- 645) Find $m\angle 2$ if $m\angle 1 = 45x - 1$ and $m\angle 2 = 43x + 1$.



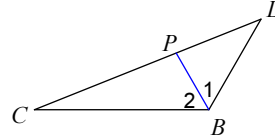
- 646) $m\angle 1 = 6x + 9$ and $m\angle GEF = 15x + 3$. Find $m\angle 1$.



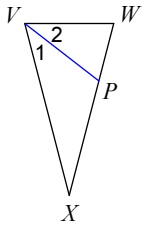
- 647) $m\angle 1 = 4x - 8$ and $m\angle 2 = 3x + 2$. Find $m\angle WYX$.



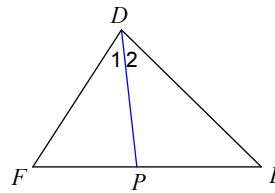
- 648) $m\angle 1 = 12x$ and $m\angle 2 = 5 + 11x$. Find $m\angle 1$.



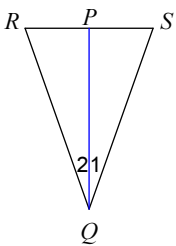
- 649) $m\angle 2 = 6x - 4$ and $m\angle XVW = -1 + 11x$. Find $m\angle XVW$.



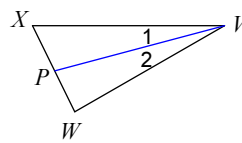
- 650) Find $m\angle 1$ if $m\angle 2 = 6x + 9$ and $m\angle 1 = 7x + 4$.



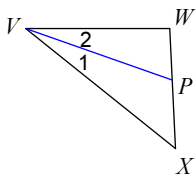
- 651) $m\angle 2 = 2x - 1$ and $m\angle 1 = 9 + x$. Find $m\angle 1$.



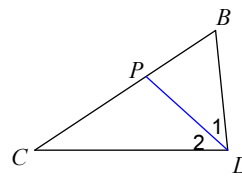
- 652) Find $m\angle XVW$ if $m\angle 2 = x + 6$ and $m\angle 1 = 2x - 3$.



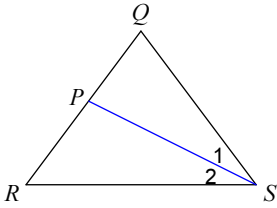
- 653) $m\angle 2 = 2x + 9$ and $m\angle 1 = 3x + 4$. Find $m\angle XVW$.



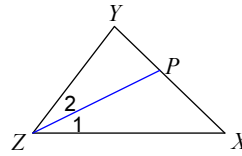
- 654) $m\angle 2 = 3x + 15$ and $m\angle BDC = 8x + 12$. Find $m\angle 1$.



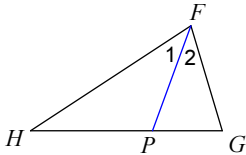
- 655) $m\angle 2 = -2 + 2x$ and $m\angle 1 = x + 12$.
Find $m\angle QSR$.



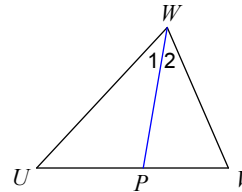
- 656) $m\angle 2 = x + 14$ and $m\angle 1 = 2x + 2$.
Find $m\angle XZY$.



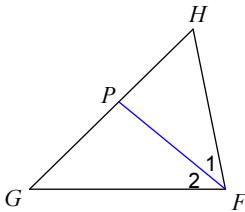
- 657) Find $m\angle HFG$ if $m\angle 1 = 4x - 4$ and $m\angle 2 = 2x + 16$.



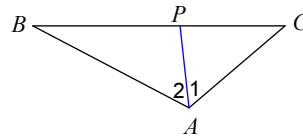
- 658) $m\angle 1 = 2x + 5$ and $m\angle 2 = x + 19$.
Find $m\angle UWV$.



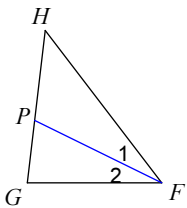
- 659) $m\angle 2 = 14x - 3$ and $m\angle 1 = 13x$.
Find $m\angle HFG$.



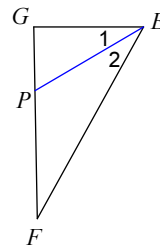
- 660) Find $m\angle 2$ if $m\angle 1 = 6x - 4$ and $m\angle CAB = 10x + 12$.



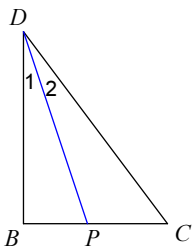
- 661) $m\angle 2 = 6x + 2$ and $m\angle 1 = 7x - 2$.
Find $m\angle HFG$.



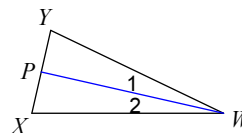
- 662) $m\angle 2 = 5x$ and $m\angle GEF = 9x + 6$.
Find $m\angle 2$.



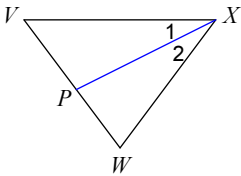
- 663) Find $m\angle BDC$ if $m\angle 2 = 19x - 1$ and $m\angle BDC = 35x + 1$.



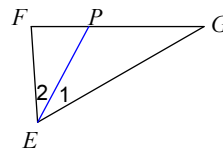
- 664) Find $m\angle YWX$ if $m\angle 2 = 4x + 1$ and $m\angle YWX = 7x + 5$.



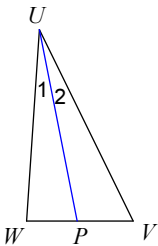
- 665) $m\angle 2 = -1 + 3x$ and $m\angle VXXW = 5x + 7$.
Find $m\angle VXXW$.



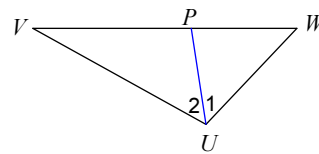
- 666) Find $m\angle GEF$ if $m\angle 1 = 5x - 8$ and $m\angle 2 = 3x + 8$.



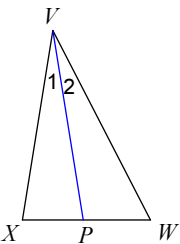
- 667) $m\angle 2 = 4x + 3$ and $m\angle 1 = 5x$.
Find $m\angle WUV$.



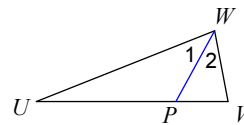
- 668) Find $m\angle 2$ if $m\angle 2 = 13x$ and $m\angle 1 = 14x - 4$.



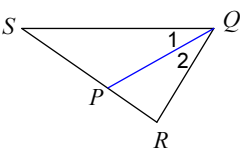
- 669) Find $m\angle 1$ if $m\angle 1 = 2x - 8$ and $m\angle 2 = x + 5$.



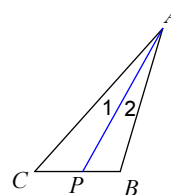
- 670) Find $m\angle UWW$ if $m\angle 1 = 8x + 7$ and $m\angle 2 = 9x + 3$.



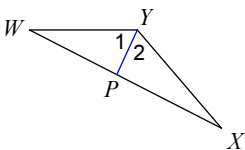
- 671) Find $m\angle SQR$ if $m\angle 1 = 11 + 2x$ and $m\angle SQR = -5 + 7x$.



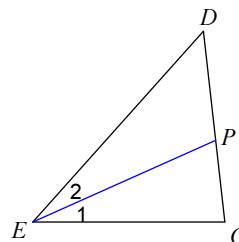
- 672) Find $m\angle 1$ if $m\angle 2 = -6 + 3x$ and $m\angle 1 = 2x$.



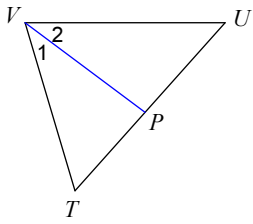
- 673) Find $m\angle WYX$ if $m\angle 2 = 5x$ and $m\angle 1 = 6x - 13$.



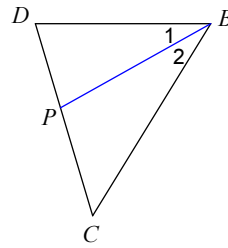
- 674) Find $m\angle CED$ if $m\angle 1 = 4x + 4$ and $m\angle 2 = 5x - 1$.



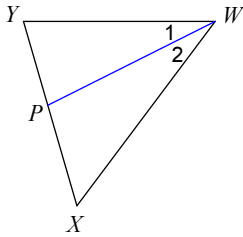
- 675) $m\angle 2 = 4x + 4$ and $m\angle 1 = 3x + 12$.
Find $m\angle TVU$.



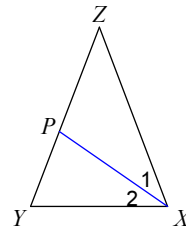
- 676) $m\angle 1 = 2x + 7$ and $m\angle DBC = 6x - 8$.
Find $m\angle 1$.



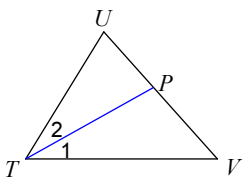
- 677) $m\angle 1 = 2x$ and $m\angle 2 = 3x - 13$.
Find $m\angle 1$.



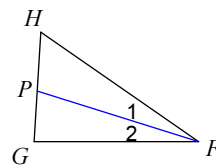
- 678) $m\angle 2 = 35x - 1$ and $m\angle 1 = 34x$.
Find $m\angle 2$.



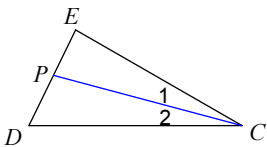
- 679) $m\angle 1 = 3x - 10$ and $m\angle VTU = 4x + 6$.
Find $m\angle VTU$.



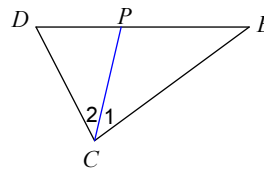
- 680) $m\angle 1 = 5 + 3x$ and $m\angle HFG = 9x - 2$.
Find $m\angle HFG$.



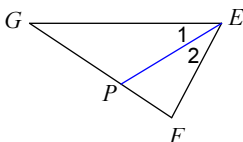
- 681) Find $m\angle ECD$ if $m\angle 1 = 8x - 1$ and $m\angle ECD = 15x$.



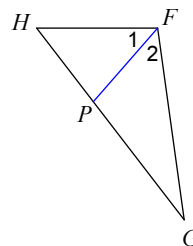
- 682) Find $m\angle ECD$ if $m\angle 2 = 5x - 10$ and $m\angle 1 = 4x$.



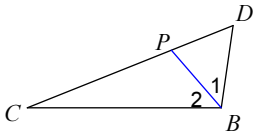
- 683) Find $m\angle GEF$ if $m\angle 2 = x + 20$ and $m\angle 1 = 2x + 9$.



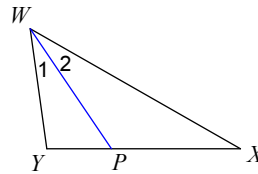
- 684) Find $m\angle 1$ if $m\angle 1 = 5x - 6$ and $m\angle HFG = 7x + 21$.



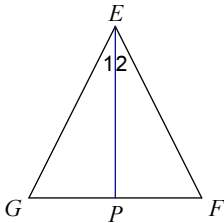
- 685) $m\angle 2 = 6x + 7$ and $m\angle 1 = 8x - 7$.
Find $m\angle DBC$.



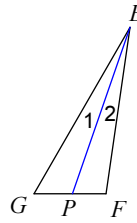
- 686) Find $m\angle 2$ if $m\angle 1 = 3x + 2$ and $m\angle YWX = 7x - 4$.



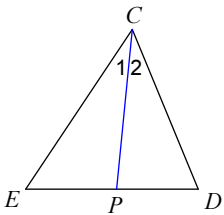
- 687) $m\angle 2 = -6 + 4x$ and $m\angle 1 = 2 + 3x$.
Find $m\angle 1$.



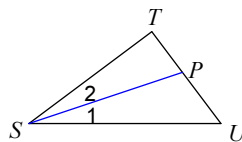
- 688) $m\angle 1 = 2x - 11$ and $m\angle GEF = x + 11$.
Find $m\angle GEF$.



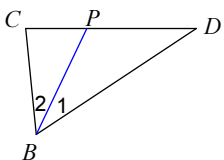
- 689) $m\angle 1 = 3x + 1$ and $m\angle 2 = 4x - 8$.
Find $m\angle 1$.



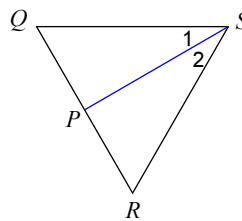
- 690) Find $m\angle 2$ if $m\angle 2 = 4x + 2$ and $m\angle UST = 10x - 4$.



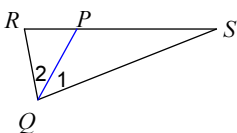
- 691) $m\angle 2 = x + 17$ and $m\angle DBC = 3x + 20$.
Find $m\angle 2$.



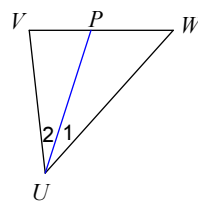
- 692) Find $m\angle QSR$ if $m\angle 1 = 4x + 2$ and $m\angle 2 = 9 + 3x$.



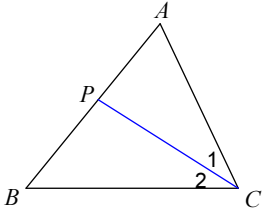
- 693) $m\angle 1 = 6x + 9$ and $m\angle SQR = 15x + 3$.
Find $m\angle SQR$.



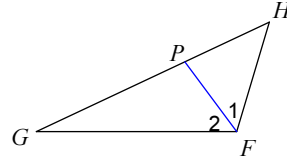
- 694) $m\angle 2 = 4x - 4$ and $m\angle WUV = 6x + 6$.
Find $m\angle 2$.



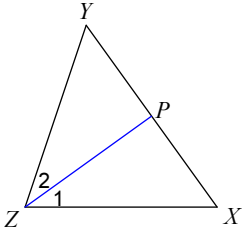
- 695) Find $m\angle 2$ if $m\angle 1 = x + 18$ and $m\angle 2 = 3x - 10$.



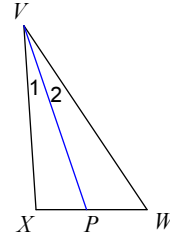
- 696) Find $m\angle HFG$ if $m\angle 1 = 8 + 5x$ and $m\angle HFG = 7 + 11x$.



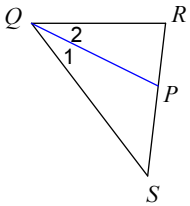
- 697) $m\angle 1 = 34x + 1$ and $m\angle 2 = 35x$. Find $m\angle XZY$.



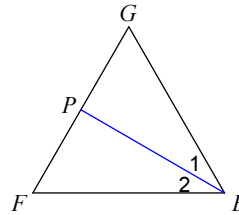
- 698) $m\angle 1 = 16x - 1$ and $m\angle 2 = 14x + 1$. Find $m\angle XVW$.



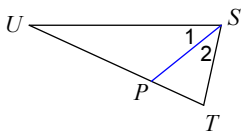
- 699) $m\angle 1 = 4x - 2$ and $m\angle 2 = 3x + 5$. Find $m\angle 2$.



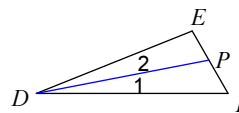
- 700) Find $m\angle GEF$ if $m\angle 2 = 8x - 2$ and $m\angle 1 = 7x + 2$.



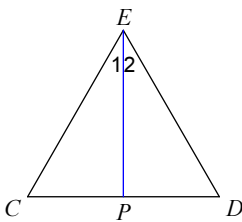
- 701) $m\angle 2 = -1 + 2x$ and $m\angle UST = 3x + 18$. Find $m\angle UST$.



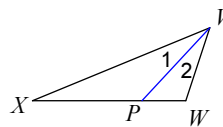
- 702) $m\angle 2 = 11x$ and $m\angle 1 = 9x + 2$. Find $m\angle FDE$.



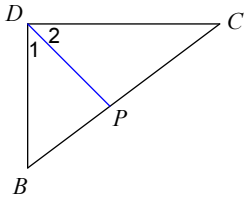
- 703) Find $m\angle 2$ if $m\angle 1 = 3x - 24$ and $m\angle CED = 5x - 30$.



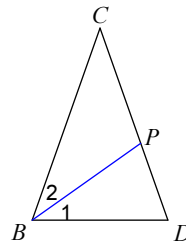
- 704) Find $m\angle 2$ if $m\angle 2 = 4x - 20$ and $m\angle XVW = 2x + 26$.



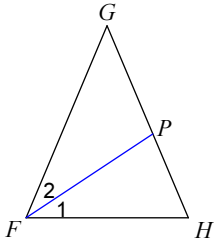
- 705) $m\angle 1 = 4x - 11$ and $m\angle 2 = -25 + 5x$.
Find $m\angle 2$.



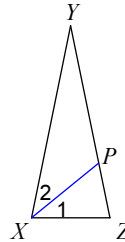
- 706) Find $m\angle 2$ if $m\angle 1 = 8x + 3$ and $m\angle 2 = 9x - 1$.



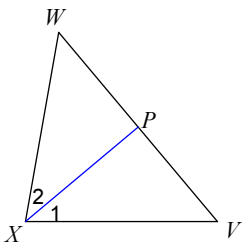
- 707) Find $m\angle HFG$ if $m\angle 1 = 20 + x$ and $m\angle HFG = 5x + 1$.



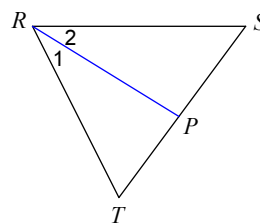
- 708) Find $m\angle ZXY$ if $m\angle 1 = 15x - 6$ and $m\angle ZXY = 28x - 6$.



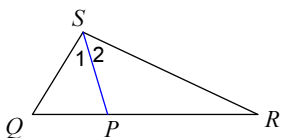
- 709) $m\angle 1 = 5x - 10$ and $m\angle VXW = 6x + 20$.
Find $m\angle 2$.



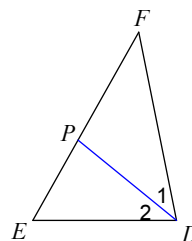
- 710) Find $m\angle 1$ if $m\angle 2 = -2 + 3x$ and $m\angle TRS = 7 + 5x$.



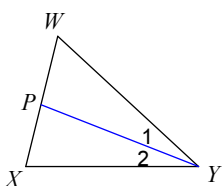
- 711) $m\angle 1 = 4x + 12$ and $m\angle 2 = 3x + 21$.
Find $m\angle QSR$.



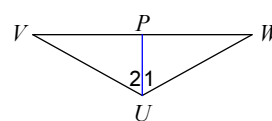
- 712) $m\angle 1 = 2x + 21$ and $m\angle FDE = 7x + 15$.
Find $m\angle 2$.



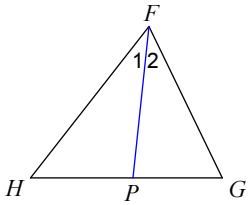
- 713) $m\angle 1 = 3x - 39$ and $m\angle WYX = 4x - 38$.
Find $m\angle 2$.



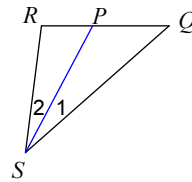
- 714) Find $m\angle WUV$ if $m\angle 1 = 5x - 19$ and $m\angle 2 = 3x + 13$.



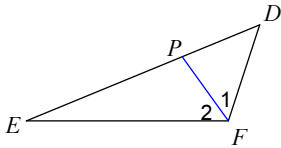
- 715) $m\angle 2 = 3x - 22$ and $m\angle HFG = x + 46$.
Find $m\angle 1$.



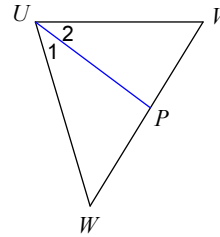
- 716) Find $m\angle 2$ if $m\angle 1 = 3x - 28$ and
 $m\angle 2 = x + 4$.



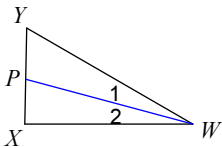
- 717) $m\angle 1 = 5x + 4$ and $m\angle DFE = 11x - 2$.
Find $m\angle 1$.



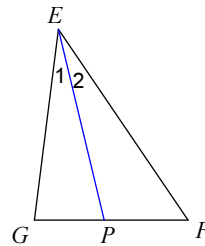
- 718) $m\angle 2 = 3x - 18$ and $m\angle WUV = 2x + 36$.
Find $m\angle 2$.



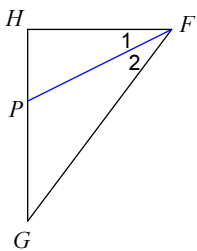
- 719) Find $m\angle YWX$ if $m\angle 2 = 2x - 5$ and
 $m\angle YWX = x + 20$.



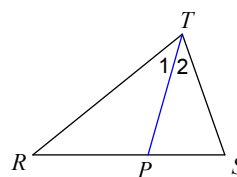
- 720) Find $m\angle GEF$ if $m\angle 1 = 3x - 34$ and
 $m\angle GEF = 3x - 14$.



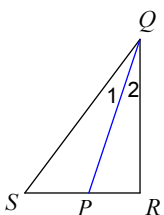
- 721) $m\angle 2 = 27x - 1$ and $m\angle 1 = 28x - 2$.
Find $m\angle HFG$.



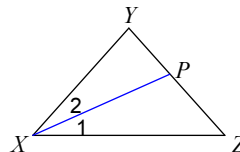
- 722) Find $m\angle 1$ if $m\angle 1 = 4x + 3$ and
 $m\angle 2 = 3x + 11$.



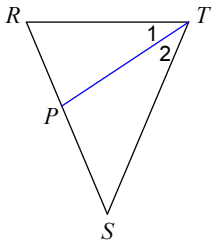
- 723) Find $m\angle SQR$ if $m\angle 2 = 2x - 12$ and
 $m\angle SQR = 3x - 9$.



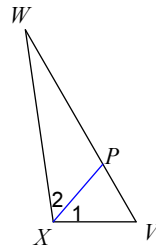
- 724) Find $m\angle 2$ if $m\angle 2 = 7x - 4$ and
 $m\angle ZXY = 13x - 4$.



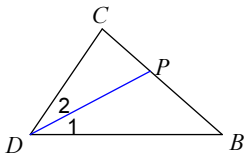
- 725) $m\angle 2 = x + 18$ and $m\angle RTS = 4x + 6$.
Find $m\angle RTS$.



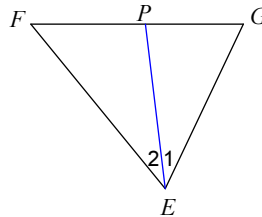
- 726) $m\angle 1 = 4x - 19$ and $m\angle VXW = 3x + 47$.
Find $m\angle VXW$.



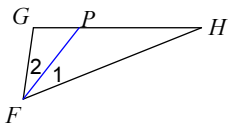
- 727) Find $m\angle BDC$ if $m\angle 1 = -17 + 3x$ and $m\angle BDC = x + 41$.



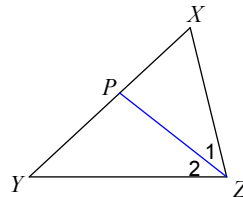
- 728) $m\angle 2 = 4x - 20$ and $m\angle GEF = -14 + 6x$.
Find $m\angle GEF$.



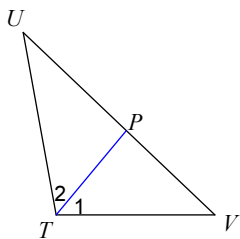
- 729) Find $m\angle 1$ if $m\angle 2 = x + 15$ and $m\angle 1 = 2x$.



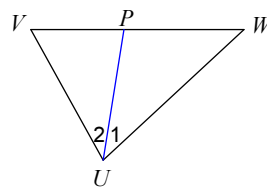
- 730) $m\angle 1 = 3x + 14$ and $m\angle 2 = 2x + 22$.
Find $m\angle 2$.



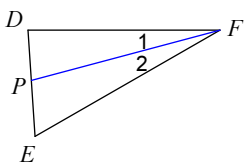
- 731) Find $m\angle VTU$ if $m\angle 2 = 8x - 14$ and $m\angle 1 = 4x + 18$.



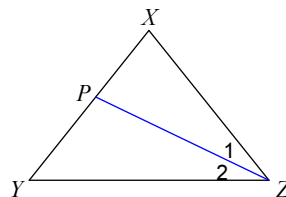
- 732) Find $m\angle 1$ if $m\angle 1 = 7x - 4$ and $m\angle 2 = 6x + 2$.



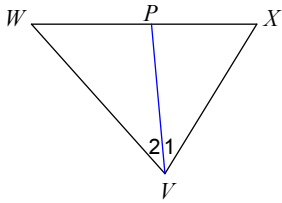
- 733) Find $m\angle DFE$ if $m\angle 1 = 2x + 5$ and $m\angle 2 = x + 10$.



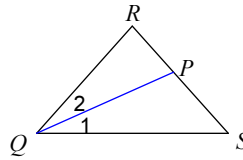
- 734) $m\angle 1 = x + 12$ and $m\angle 2 = -1 + 2x$.
Find $m\angle XZY$.



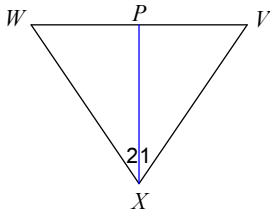
- 735) Find $m\angle XVW$ if $m\angle 1 = 4x - 12$ and $m\angle 2 = x + 24$.



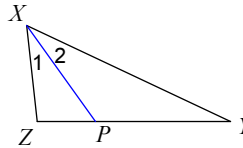
- 736) Find $m\angle 1$ if $m\angle 2 = 2x - 8$ and $m\angle SQR = 5x - 32$.



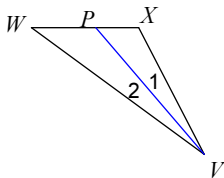
- 737) $m\angle 1 = 7x - 1$ and $m\angle VXXW = 12x + 8$. Find $m\angle VXXW$.



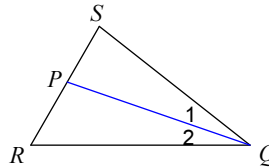
- 738) $m\angle 1 = 3x - 22$ and $m\angle ZXY = 5x - 27$. Find $m\angle ZXY$.



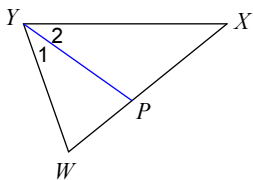
- 739) Find $m\angle 1$ if $m\angle 2 = 4x - 7$ and $m\angle 1 = 3x - 2$.



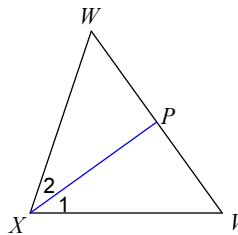
- 740) $m\angle 1 = 3x - 8$ and $m\angle 2 = 4x - 17$. Find $m\angle 1$.



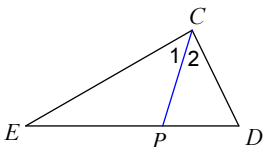
- 741) Find $m\angle 2$ if $m\angle 2 = -3 + 2x$ and $m\angle WYX = x + 51$.



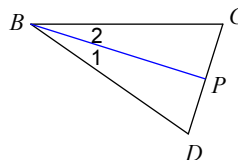
- 742) Find $m\angle VXW$ if $m\angle 1 = 3x - 19$ and $m\angle VXW = 3x + 16$.



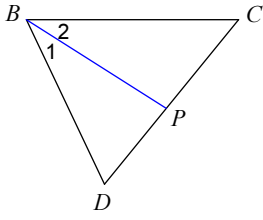
- 743) Find $m\angle 1$ if $m\angle 1 = 2x + 19$ and $m\angle ECD = 8x - 10$.



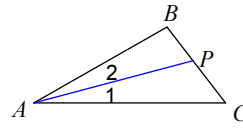
- 744) Find $m\angle DBC$ if $m\angle 2 = x + 7$ and $m\angle 1 = -13 + 3x$.



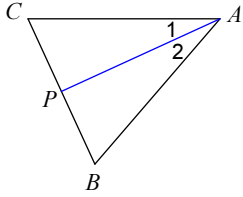
- 745) Find $m\angle 1$ if $m\angle 2 = 4x - 16$ and $m\angle DBC = 16 + 4x$.



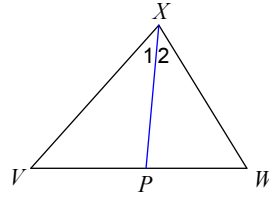
- 746) Find $m\angle CAB$ if $m\angle 2 = 4x + 3$ and $m\angle 1 = -6 + 7x$.



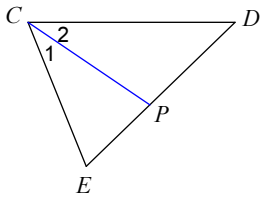
- 747) Find $m\angle CAB$ if $m\angle 1 = -12 + 4x$ and $m\angle CAB = 4x + 12$.



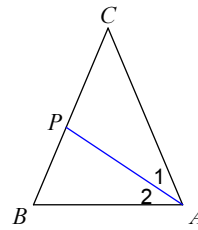
- 748) Find $m\angle 2$ if $m\angle 2 = 3x - 24$ and $m\angle VXW = 4x - 8$.



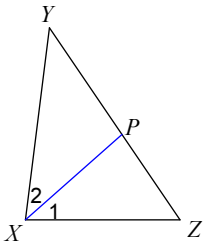
- 749) Find $m\angle ECD$ if $m\angle 1 = 6x + 10$ and $m\angle ECD = 15x + 8$.



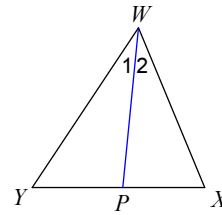
- 750) Find $m\angle 1$ if $m\angle 2 = 2x + 7$ and $m\angle 1 = x + 20$.



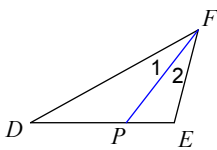
- 751) $m\angle 1 = 4x - 15$ and $m\angle 2 = 3x - 1$.
Find $m\angle 2$.



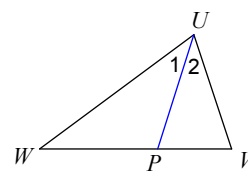
- 752) $m\angle 1 = x + 14$ and $m\angle 2 = 4x - 28$.
Find $m\angle 2$.



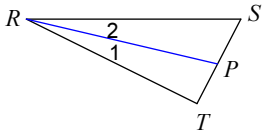
- 753) $m\angle 1 = 4x - 21$ and $m\angle DFE = 2 + 4x$.
Find $m\angle DFE$.



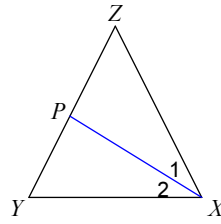
- 754) Find $m\angle 1$ if $m\angle 2 = x + 16$ and $m\angle WUV = 3x + 12$.



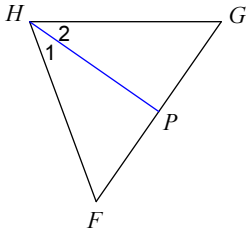
- 755) $m\angle 2 = 13x$ and $m\angle 1 = 12x + 1$.
Find $m\angle 1$.



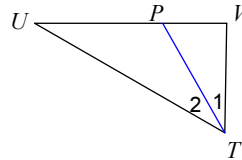
- 756) $m\angle 2 = 2x - 1$ and $m\angle 1 = 3x - 17$.
Find $m\angle ZXY$.



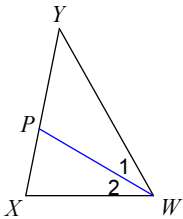
- 757) $m\angle 2 = 2x - 5$ and $m\angle 1 = x + 15$.
Find $m\angle 2$.



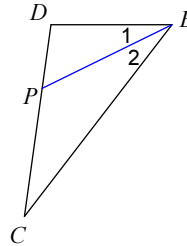
- 758) $m\angle 2 = 8x - 10$ and $m\angle VTU = 11x + 5$.
Find $m\angle 2$.



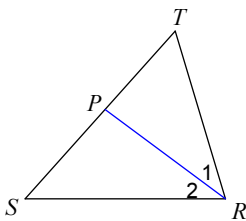
- 759) Find $m\angle 2$ if $m\angle 2 = 2x - 8$ and
 $m\angle 1 = 3x - 27$.



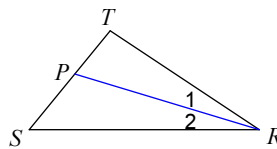
- 760) $m\angle 2 = x + 13$ and $m\angle 1 = 3x - 13$.
Find $m\angle 1$.



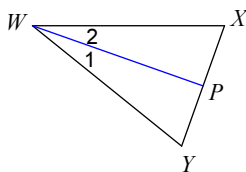
- 761) Find $m\angle 2$ if $m\angle 1 = 16x + 4$ and
 $m\angle 2 = 17x + 2$.



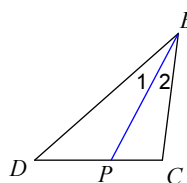
- 762) Find $m\angle TRS$ if $m\angle 2 = 3x + 2$ and
 $m\angle 1 = 5x - 8$.



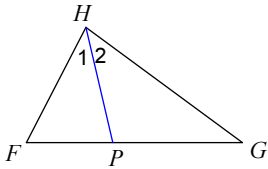
- 763) $m\angle 1 = 19x$ and $m\angle 2 = 18x + 1$.
Find $m\angle YWX$.



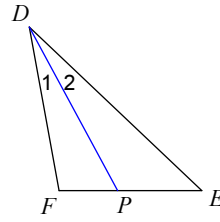
- 764) Find $m\angle 2$ if $m\angle 1 = x + 3$ and
 $m\angle 2 = 2x - 14$.



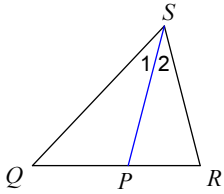
- 765) Find $m\angle FHG$ if $m\angle 2 = 4x + 4$ and $m\angle 1 = 3x + 13$.



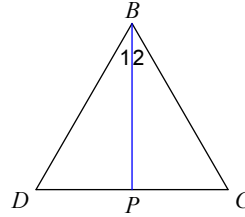
- 766) Find $m\angle 2$ if $m\angle 1 = 2x + 8$ and $m\angle FDE = -9 + 9x$.



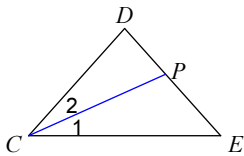
- 767) Find $m\angle QSR$ if $m\angle 2 = 3x + 8$ and $m\angle QSR = 8x + 2$.



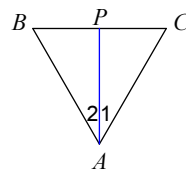
- 768) $m\angle 1 = 3x - 21$ and $m\angle 2 = x + 13$. Find $m\angle 2$.



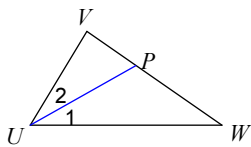
- 769) $m\angle 1 = x + 16$ and $m\angle 2 = 5x - 16$. Find $m\angle 1$.



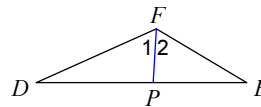
- 770) Find $m\angle CAB$ if $m\angle 1 = 29x + 1$ and $m\angle 2 = 32x - 2$.



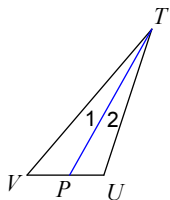
- 771) Find $m\angle 1$ if $m\angle 1 = 29x$ and $m\angle WUV = 59x - 1$.



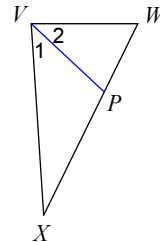
- 772) $m\angle 1 = 11x + 7$ and $m\angle 2 = 14x - 8$. Find $m\angle 2$.



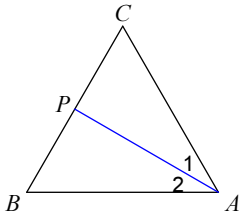
- 773) Find $m\angle VTU$ if $m\angle 2 = 2x - 21$ and $m\angle VTU = 2x - 10$.



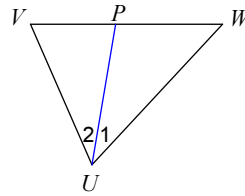
- 774) $m\angle 1 = 5x + 8$ and $m\angle 2 = 7x - 6$. Find $m\angle XVW$.



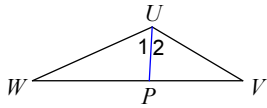
- 775) $m\angle 1 = 4x + 2$ and $m\angle CAB = 9x - 3$.
Find $m\angle 1$.



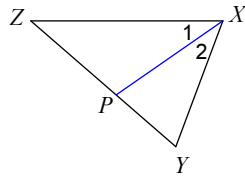
- 776) $m\angle 1 = 6x + 9$ and $m\angle WUV = 15x + 6$.
Find $m\angle 1$.



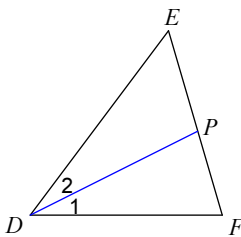
- 777) Find $m\angle 1$ if $m\angle 2 = 20x + 2$ and $m\angle WUV = -5 + 43x$.



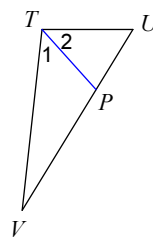
- 778) Find $m\angle ZXY$ if $m\angle 2 = 6x - 1$ and $m\angle ZXY = 11x + 4$.



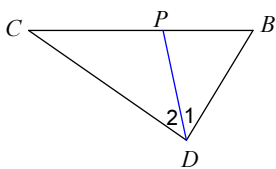
- 779) $m\angle 1 = 2x - 10$ and $m\angle 2 = 3x - 28$.
Find $m\angle FDE$.



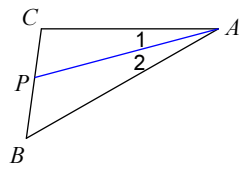
- 780) Find $m\angle VTU$ if $m\angle 2 = 13x - 4$ and $m\angle 1 = 8 + 10x$.



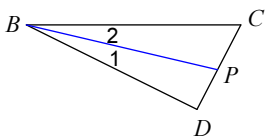
- 781) Find $m\angle 1$ if $m\angle 1 = 9x - 2$ and $m\angle 2 = 7x + 8$.



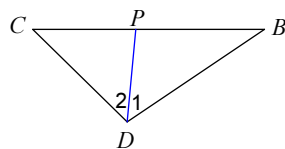
- 782) $m\angle 2 = 15x$ and $m\angle CAB = 29x + 1$.
Find $m\angle CAB$.



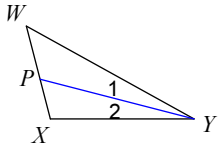
- 783) $m\angle 1 = 2x - 7$ and $m\angle DBC = x + 16$.
Find $m\angle DBC$.



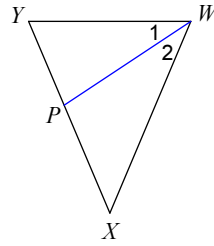
- 784) $m\angle 1 = 4x - 21$ and $m\angle 2 = x + 33$.
Find $m\angle BDC$.



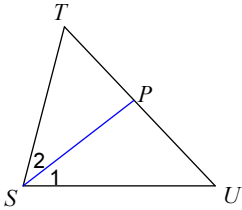
- 785) Find $m\angle 2$ if $m\angle 2 = x + 2$ and $m\angle 1 = 2x - 10$.



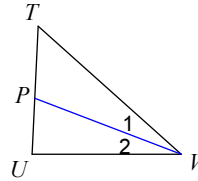
- 786) $m\angle 2 = 6x + 9$ and $m\angle YWX = 14x + 10$. Find $m\angle 2$.



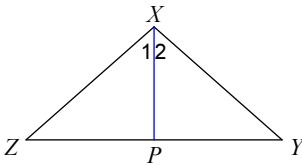
- 787) Find $m\angle UST$ if $m\angle 2 = 2x + 10$ and $m\angle 1 = x + 24$.



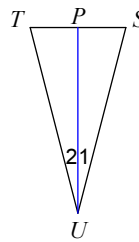
- 788) $m\angle 1 = 1 + 10x$ and $m\angle 2 = 9x + 3$. Find $m\angle 2$.



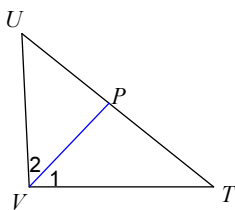
- 789) $m\angle 2 = 24x$ and $m\angle ZXY = 46x + 4$. Find $m\angle 1$.



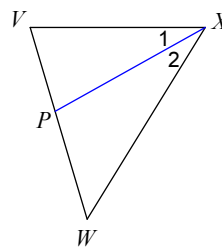
- 790) Find $m\angle SUT$ if $m\angle 2 = 2 + 12x$ and $m\angle 1 = 14x$.



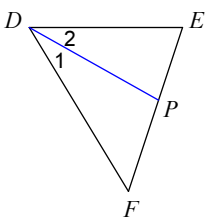
- 791) Find $m\angle TVU$ if $m\angle 2 = -26 + 4x$ and $m\angle TVU = 7x - 34$.



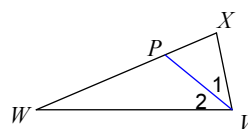
- 792) Find $m\angle VXW$ if $m\angle 1 = 3x - 16$ and $m\angle VXW = 4x - 2$.



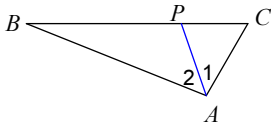
- 793) $m\angle 2 = 3x - 25$ and $m\angle FDE = 3x + 4$. Find $m\angle FDE$.



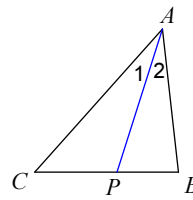
- 794) $m\angle 1 = 5x - 11$ and $m\angle XVW = 5x + 28$. Find $m\angle 1$.



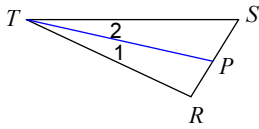
- 795) $m\angle 2 = 4x + 1$ and $m\angle 1 = 5x - 11$.
Find $m\angle CAB$.



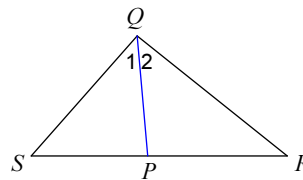
- 796) Find $m\angle CAB$ if $m\angle 1 = 17 + x$ and $m\angle 2 = 2x + 10$.



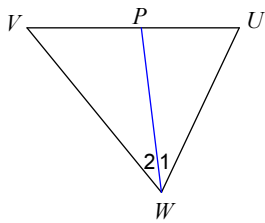
- 797) Find $m\angle 1$ if $m\angle 1 = 2x - 26$ and $m\angle RTS = -14 + 2x$.



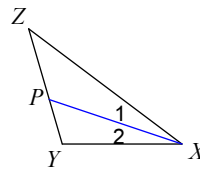
- 798) $m\angle 1 = 3x - 2$ and $m\angle SQR = 7x - 20$.
Find $m\angle 1$.



- 799) Find $m\angle UWV$ if $m\angle 1 = x + 12$ and $m\angle 2 = 2x - 8$.



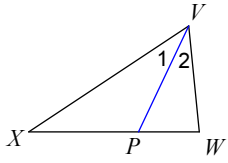
- 800) Find $m\angle ZXY$ if $m\angle 1 = 3x - 18$ and $m\angle 2 = 2x - 6$.



Properties of triangles - Angle bisectors & angle measure

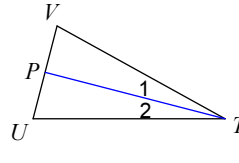
Find an angle measure:

1) $m\angle XVW = 62^\circ$. Find $m\angle 2$.



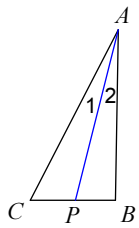
31°

2) $m\angle VTU = 28^\circ$. Find $m\angle 2$.



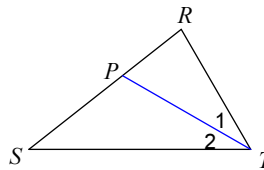
14°

3) $m\angle CAB = 26^\circ$. Find $m\angle 2$.



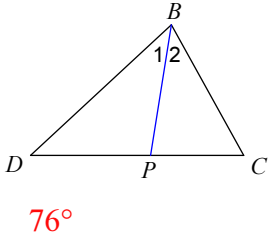
13°

4) $m\angle RTS = 60^\circ$. Find $m\angle 1$.

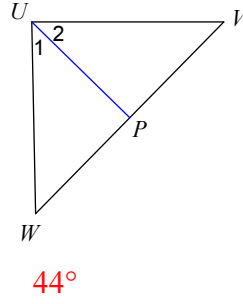


30°

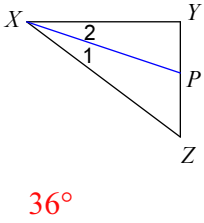
5) Find $m\angle DBC$ if $m\angle 2 = 38^\circ$.



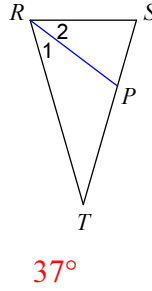
6) Find $m\angle 1$ if $m\angle WUV = 88^\circ$.



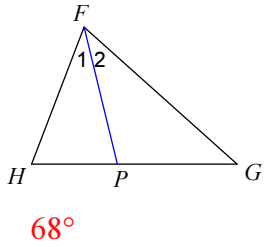
7) $m\angle 2 = 18^\circ$. Find $m\angle ZXY$.



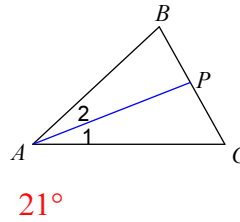
8) Find $m\angle 2$ if $m\angle 1 = 37^\circ$.



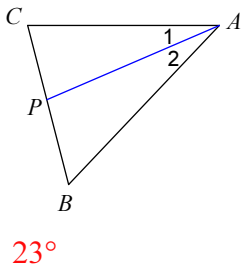
9) Find $m\angle HFG$ if $m\angle 2 = 34^\circ$.



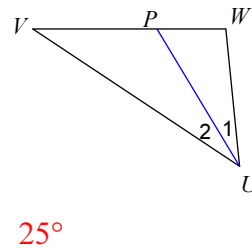
10) $m\angle CAB = 42^\circ$. Find $m\angle 2$.



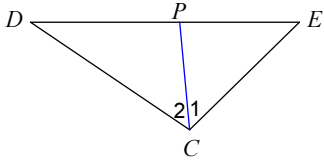
11) $m\angle CAB = 46^\circ$. Find $m\angle 1$.



12) $m\angle WUV = 50^\circ$. Find $m\angle 1$.

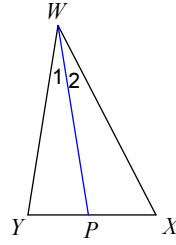


13) Find $m\angle 1$ if $m\angle ECD = 102^\circ$.



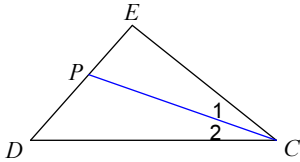
51°

14) $m\angle YWX = 36^\circ$. Find $m\angle 2$.



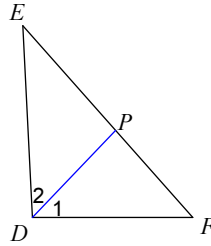
18°

15) Find $m\angle ECD$ if $m\angle 1 = 19^\circ$.



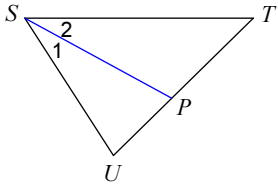
38°

16) $m\angle FDE = 92^\circ$. Find $m\angle 2$.



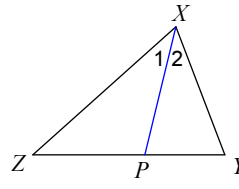
46°

17) Find $m\angle 1$ if $m\angle UST = 56^\circ$.



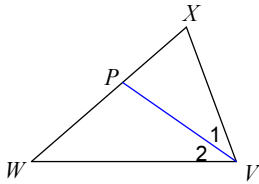
28°

18) $m\angle ZXY = 68^\circ$. Find $m\angle 1$.



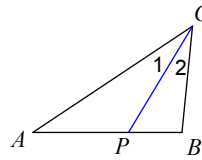
34°

19) Find $m\angle 1$ if $m\angle 2 = 35^\circ$.



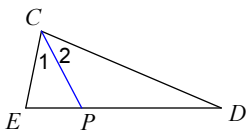
35°

20) $m\angle 1 = 25^\circ$. Find $m\angle ACB$.



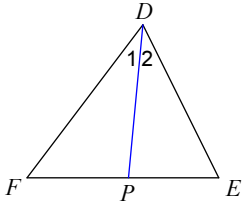
50°

21) $m\angle 2 = 39^\circ$. Find $m\angle 1$.



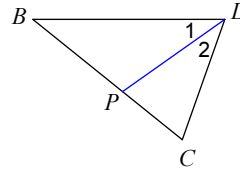
39°

22) Find $m\angle 2$ if $m\angle 1 = 32^\circ$.



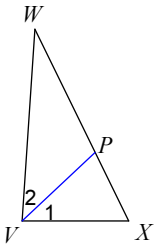
32°

23) $m\angle BDC = 70^\circ$. Find $m\angle 1$.



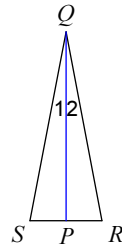
35°

24) $m\angle XVW = 86^\circ$. Find $m\angle 1$.



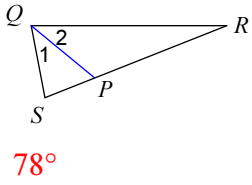
43°

25) Find $m\angle 1$ if $m\angle SQR = 22^\circ$.

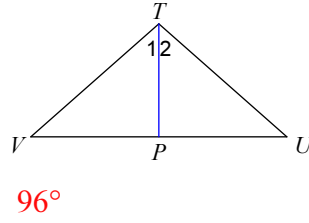


11°

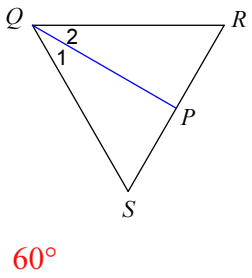
26) $m\angle 1 = 39^\circ$. Find $m\angle SQR$.



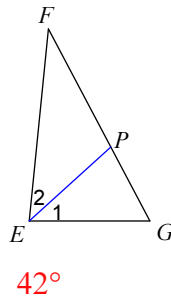
27) $m\angle 2 = 48^\circ$. Find $m\angle VTU$.



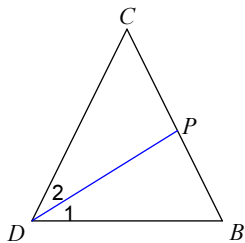
28) $m\angle 2 = 30^\circ$. Find $m\angle SQR$.



29) $m\angle 1 = 42^\circ$. Find $m\angle 2$.

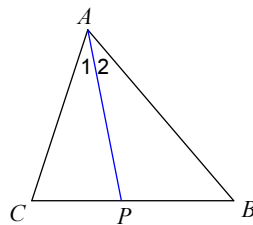


30) $m\angle 2 = 32^\circ$. Find $m\angle BDC$.



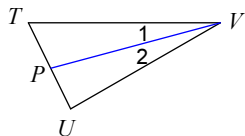
64°

31) Find $m\angle 2$ if $m\angle CAB = 58^\circ$.



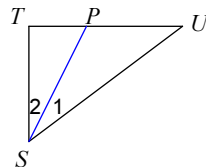
29°

32) Find $m\angle 1$ if $m\angle 2 = 15^\circ$.



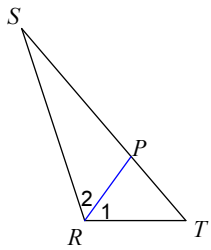
15°

33) $m\angle UST = 52^\circ$. Find $m\angle 2$.



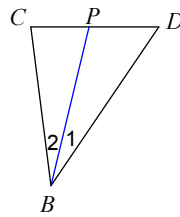
26°

34) $m\angle 2 = 54^\circ$. Find $m\angle 1$.



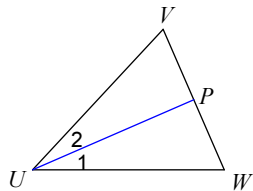
54°

35) Find $m\angle 2$ if $m\angle DBC = 40^\circ$.



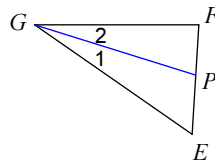
20°

36) Find $m\angle 2$ if $m\angle 1 = 23^\circ$.



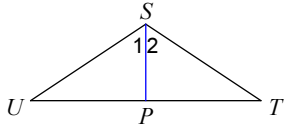
23°

37) Find $m\angle EGF$ if $m\angle 1 = 17^\circ$.



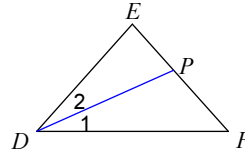
34°

38) Find $m\angle 1$ if $m\angle UST = 112^\circ$.



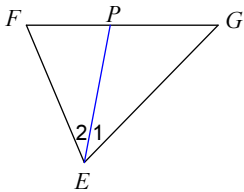
56°

39) $m\angle 1 = 24^\circ$. Find $m\angle FDE$.



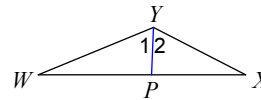
48°

40) Find $m\angle 2$ if $m\angle 1 = 33^\circ$.



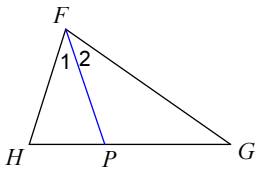
33°

41) $m\angle WYX = 130^\circ$. Find $m\angle 2$.



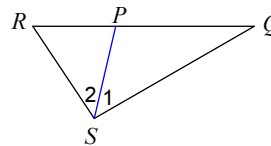
65°

42) Find $m\angle 1$ if $m\angle 2 = 36^\circ$.



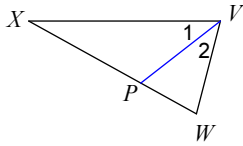
36°

43) $m\angle QSR = 94^\circ$. Find $m\angle 2$.



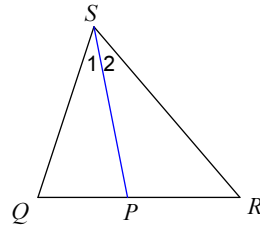
47°

44) $m\angle XVW = 76^\circ$. Find $m\angle 2$.



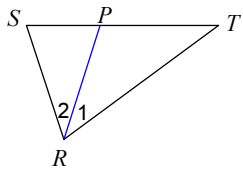
38°

45) $m\angle 1 = 29^\circ$. Find $m\angle QSR$.



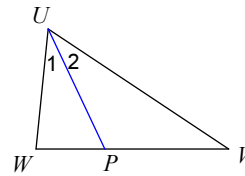
58°

46) Find $m\angle TRS$ if $m\angle 1 = 36^\circ$.



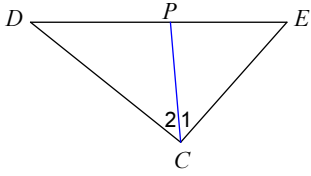
72°

47) $m\angle 2 = 31^\circ$. Find $m\angle WUV$.



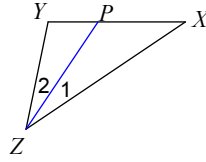
62°

48) Find $m\angle ECD$ if $m\angle 1 = 46^\circ$.



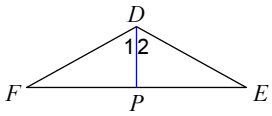
92°

49) Find $m\angle XZY$ if $m\angle 1 = 22^\circ$.



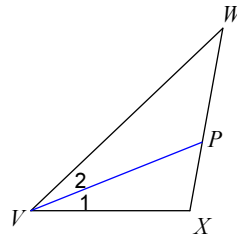
44°

50) $m\angle 1 = 61^\circ$. Find $m\angle FDE$.



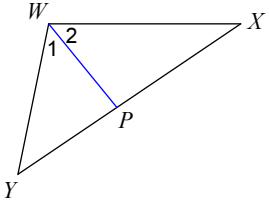
122°

51) $m\angle XVW = 44^\circ$. Find $m\angle 2$.



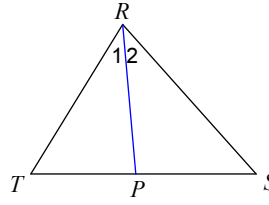
22°

52) Find $m\angle 2$ if $m\angle 1 = 51^\circ$.



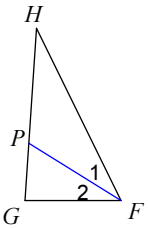
51°

53) $m\angle TRS = 72^\circ$. Find $m\angle 2$.



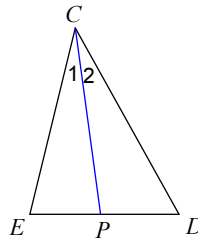
36°

54) Find $m\angle 2$ if $m\angle HFG = 64^\circ$.



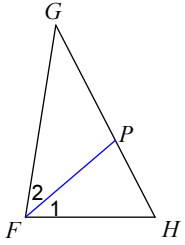
32°

55) $m\angle 1 = 21^\circ$. Find $m\angle ECD$.



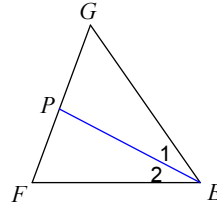
42°

56) Find $m\angle 1$ if $m\angle HFG = 80^\circ$.



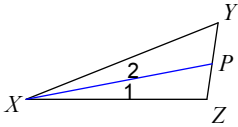
40°

57) Find $m\angle 1$ if $m\angle GEF = 54^\circ$.



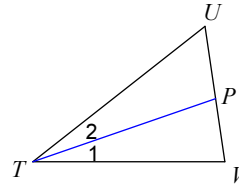
27°

58) Find $m\angle ZXY$ if $m\angle 2 = 11^\circ$.



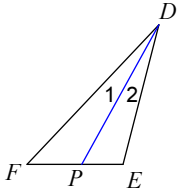
22°

59) Find $m\angle 2$ if $m\angle VTU = 38^\circ$.



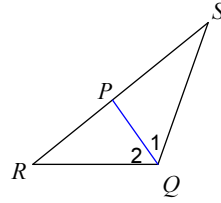
19°

60) $m\angle 1 = 14^\circ$. Find $m\angle 2$.



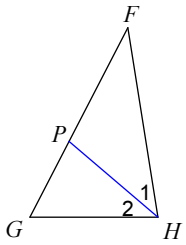
14°

61) $m\angle SQR = 108^\circ$. Find $m\angle 2$.



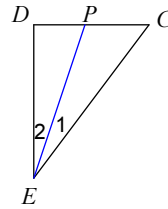
54°

62) $m\angle 1 = 40^\circ$. Find $m\angle 2$.



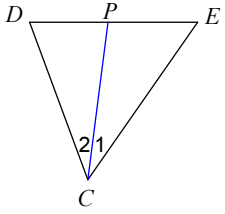
40°

63) Find $m\angle 1$ if $m\angle 2 = 18^\circ$.



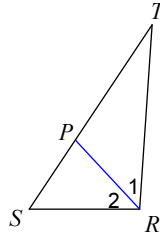
18°

64) $m\angle 2 = 27^\circ$. Find $m\angle ECD$.



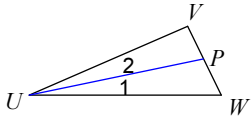
54°

65) Find $m\angle TRS$ if $m\angle 2 = 47^\circ$.



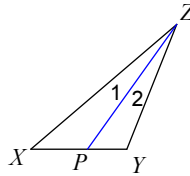
94°

66) Find $m\angle WUV$ if $m\angle 1 = 12^\circ$.



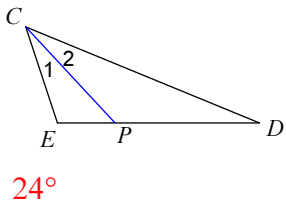
24°

67) Find $m\angle XZY$ if $m\angle 2 = 14^\circ$.



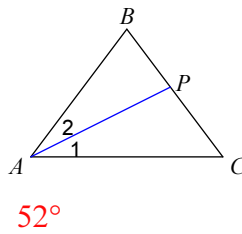
28°

68) $m\angle 2 = 24^\circ$. Find $m\angle 1$.



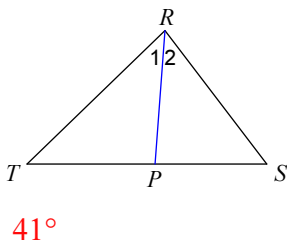
24°

69) Find $m\angle CAB$ if $m\angle 2 = 26^\circ$.



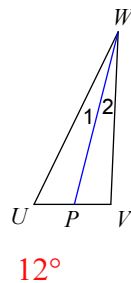
52°

70) Find $m\angle 2$ if $m\angle TRS = 82^\circ$.



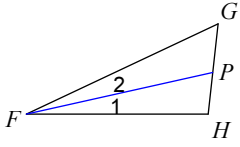
41°

71) Find $m\angle 2$ if $m\angle 1 = 12^\circ$.



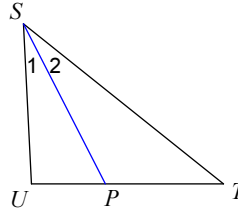
12°

72) $m\angle HFG = 24^\circ$. Find $m\angle 2$.



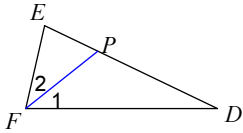
12°

73) Find $m\angle 1$ if $m\angle UST = 48^\circ$.



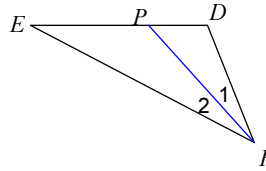
24°

74) Find $m\angle 2$ if $m\angle 1 = 38^\circ$.



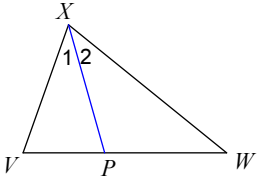
38°

75) $m\angle 1 = 20^\circ$. Find $m\angle DFE$.



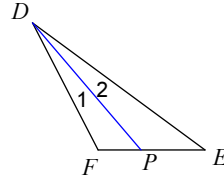
40°

76) Find $m\angle VXP$ if $m\angle 2 = 35^\circ$.



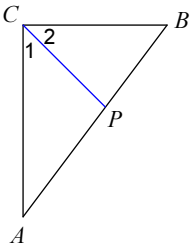
70°

77) $m\angle 1 = 13^\circ$. Find $m\angle 2$.



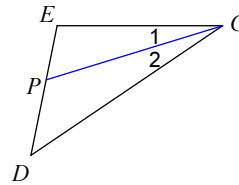
13°

78) Find $m\angle 2$ if $m\angle ACB = 90^\circ$.



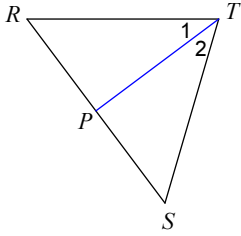
45°

79) Find $m\angle 2$ if $m\angle 1 = 17^\circ$.



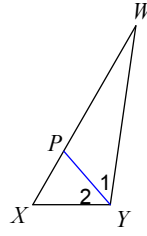
17°

80) $m\angle RTS = 74^\circ$. Find $m\angle 1$.



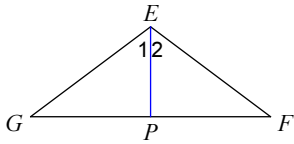
37°

81) Find $m\angle 2$ if $m\angle 1 = 49^\circ$.



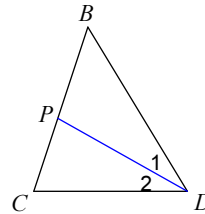
49°

82) Find $m\angle 1$ if $m\angle GEF = 106^\circ$.



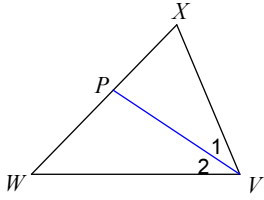
53°

83) $m\angle 1 = 29^\circ$. Find $m\angle 2$.



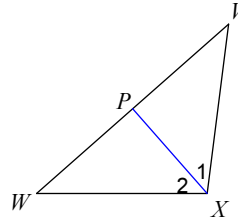
29°

84) Find $m\angle 1$ if $m\angle XVW = 66^\circ$.



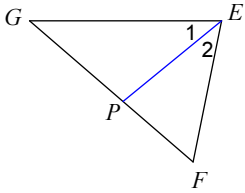
33°

85) Find $m\angle 2$ if $m\angle VXW = 96^\circ$.



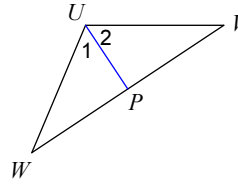
48°

86) Find $m\angle 2$ if $m\angle GEF = 78^\circ$.



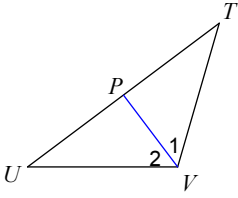
39°

87) $m\angle 1 = 56^\circ$. Find $m\angle WUV$.



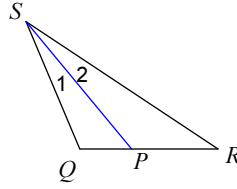
112°

88) Find $m\angle TVU$ if $m\angle 1 = 53^\circ$.



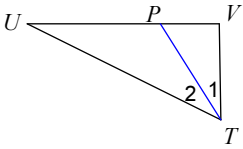
106°

89) $m\angle QSR = 34^\circ$. Find $m\angle 2$.



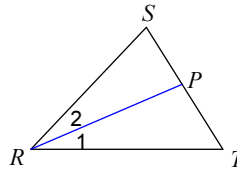
17°

90) Find $m\angle 2$ if $m\angle 1 = 31^\circ$.



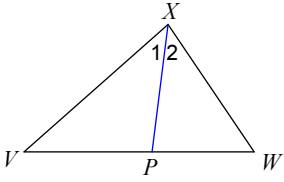
31°

91) $m\angle 1 = 23^\circ$. Find $m\angle TRS$.



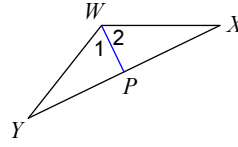
46°

92) $m\angle 2 = 41^\circ$. Find $m\angle VXW$.



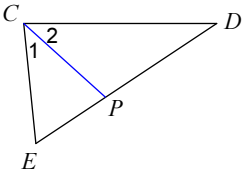
82°

93) $m\angle 1 = 64^\circ$. Find $m\angle YWX$.



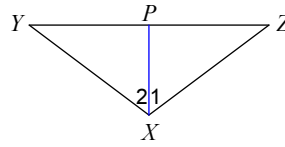
128°

94) Find $m\angle 1$ if $m\angle ECD = 84^\circ$.



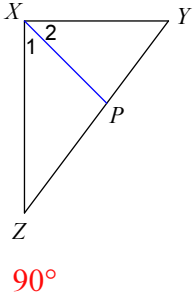
42°

95) $m\angle 1 = 53^\circ$. Find $m\angle 2$.

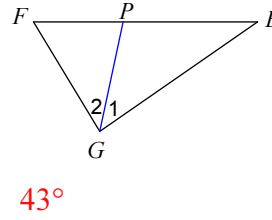


53°

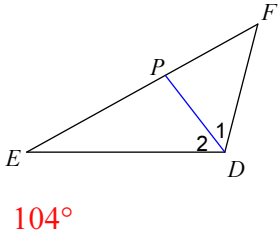
96) Find $m\angle ZXY$ if $m\angle 1 = 45^\circ$.



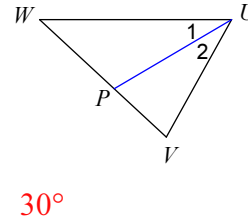
97) Find $m\angle 1$ if $m\angle 2 = 43^\circ$.



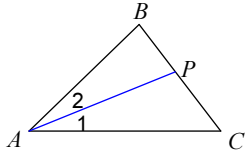
98) $m\angle 2 = 52^\circ$. Find $m\angle FDE$.



99) $m\angle 1 = 30^\circ$. Find $m\angle 2$.



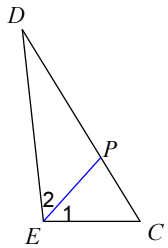
100) $m\angle 1 = 22^\circ$. Find $m\angle 2$.



22°

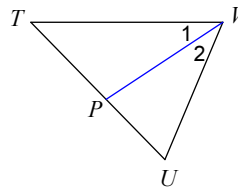
Solve x:

101) $m\angle 1 = 17x - 3$ and $m\angle 2 = 16x$.
Find x .



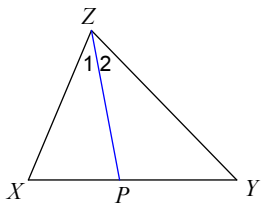
3

102) Find x if $m\angle 2 = 4x + 1$ and $m\angle 1 = 3x + 9$.



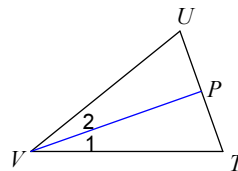
8

103) $m\angle 1 = 9x - 3$ and $m\angle XZY = 17x - 2$.
Find x .



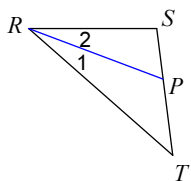
4

104) Find x if $m\angle 1 = 4x + 3$ and $m\angle TVU = -2 + 10x$.



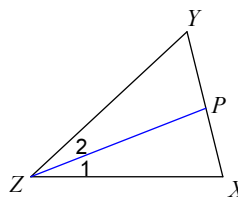
4

105) Find x if $m\angle 2 = 2x + 6$ and $m\angle TRS = 5x + 5$.



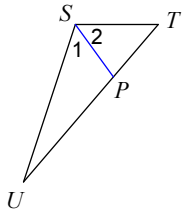
7

106) $m\angle 2 = 4x - 3$ and $m\angle XZY = 6x + 6$.
Find x .



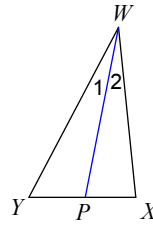
6

- 107) Find x if $m\angle 1 = 14x - 2$ and $m\angle UST = 27x$.



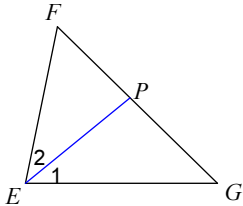
4

- 108) $m\angle 2 = 4x - 3$ and $m\angle 1 = 3x + 2$. Find x .



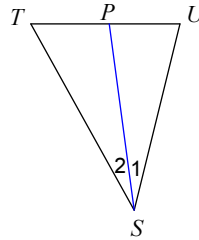
5

- 109) Find x if $m\angle 1 = 9x + 3$ and $m\angle 2 = 8x + 7$.



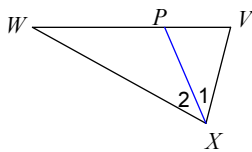
4

- 110) Find x if $m\angle 1 = 3x - 3$ and $m\angle 2 = x + 13$.



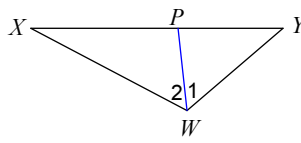
8

- 111) Find x if $m\angle 2 = 7x - 4$ and $m\angle V X W = 13x - 2$.



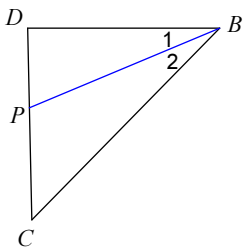
6

- 112) $m\angle 2 = 12x - 4$ and $m\angle Y W X = 22x + 2$. Find x .



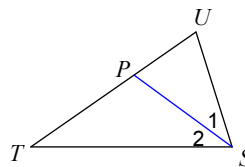
5

- 113) $m\angle 1 = 2x + 9$ and $m\angle 2 = 4x - 5$. Find x .



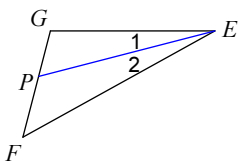
7

- 114) $m\angle 2 = 8x - 4$ and $m\angle UST = 15x - 3$. Find x .



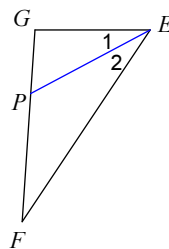
5

- 115) $m\angle 2 = 2x + 4$ and $m\angle 1 = x + 9$. Find x .



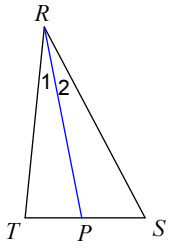
5

- 116) $m\angle 2 = 12 + 2x$ and $m\angle GEF = 6x + 8$. Find x .



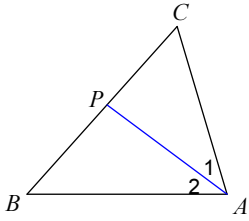
8

- 117) Find x if $m\angle 1 = 2x + 3$ and $m\angle 2 = x + 10$.



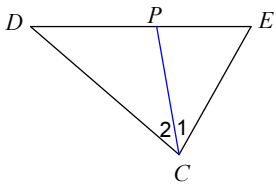
7

- 119) $m\angle 2 = 35x + 1$ and $m\angle 1 = 37x - 1$. Find x .



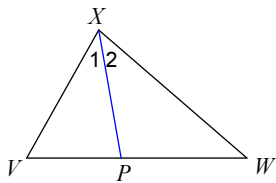
1

- 121) Find x if $m\angle 2 = 7x - 3$ and $m\angle ECD = 13x$.



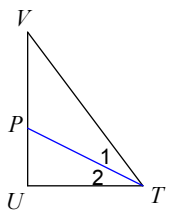
6

- 123) $m\angle 1 = 6x + 9$ and $m\angle V\hat{X}W = -2 + 16x$. Find x .



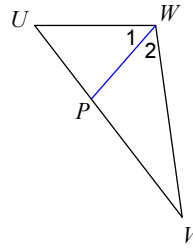
5

- 125) Find x if $m\angle 2 = 1 + 25x$ and $m\angle VTU = 53x - 1$.



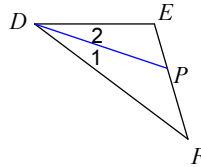
1

- 118) Find x if $m\angle 2 = -5 + 9x$ and $m\angle U\hat{W}V = 16x + 2$.



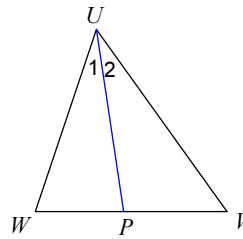
6

- 120) $m\angle 1 = 7x - 3$ and $m\angle F\hat{D}E = 12x$. Find x .



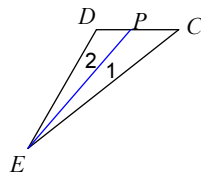
3

- 122) $m\angle 1 = 4x - 5$ and $m\angle 2 = 3x + 3$. Find x .



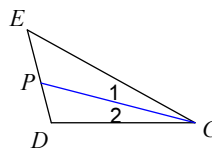
8

- 124) $m\angle 1 = -1 + 12x$ and $m\angle 2 = 11x$. Find x .



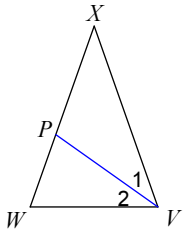
1

- 126) Find x if $m\angle 1 = x + 6$ and $m\angle E\hat{C}D = 4x - 4$.



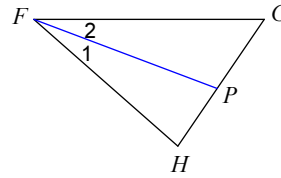
8

- 127) $m\angle 1 = 34x + 1$ and $m\angle 2 = 35x$.
Find x .



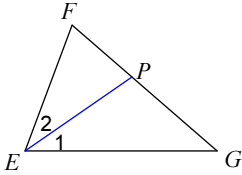
1

- 128) $m\angle 1 = 11x - 2$ and $m\angle 2 = 9x + 2$.
Find x .



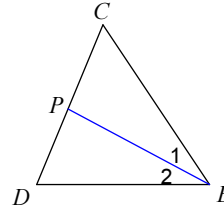
2

- 129) $m\angle 1 = 11 + 4x$ and $m\angle GEF = 12x - 2$.
Find x .



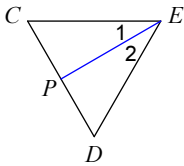
6

- 130) $m\angle 1 = 4x - 4$ and $m\angle 2 = 2x + 12$.
Find x .



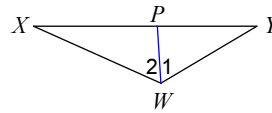
8

- 131) Find x if $m\angle 1 = 8x - 2$ and $m\angle CED = 14x + 4$.



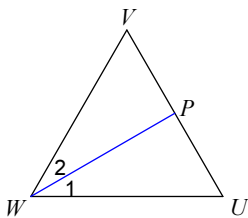
4

- 132) $m\angle 1 = 62x$ and $m\angle 2 = 63x - 1$.
Find x .



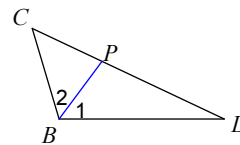
1

- 133) $m\angle 1 = 8x - 2$ and $m\angle 2 = 7x + 2$.
Find x .



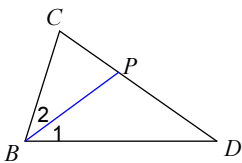
4

- 134) $m\angle 2 = 26x + 1$ and $m\angle 1 = 27x - 1$.
Find x .



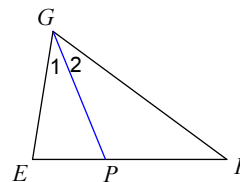
2

- 135) $m\angle 1 = -4 + 5x$ and $m\angle DBC = 8x + 8$.
Find x .



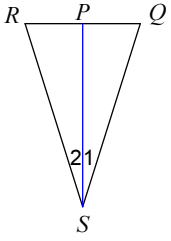
8

- 136) $m\angle 1 = 6x + 1$ and $m\angle 2 = 5x + 6$.
Find x .



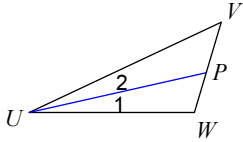
5

- 137) Find x if $m\angle 2 = x + 10$ and $m\angle QSR = 5x - 1$.



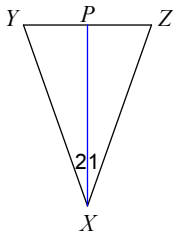
7

- 139) Find x if $m\angle 1 = 3x - 3$ and $m\angle 2 = x + 7$.



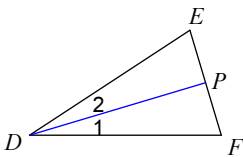
5

- 141) $m\angle 2 = 20x - 1$ and $m\angle 1 = 18x + 1$. Find x .



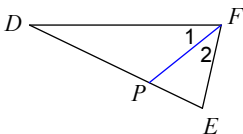
1

- 143) Find x if $m\angle 1 = 3x - 5$ and $m\angle 2 = 2x + 2$.



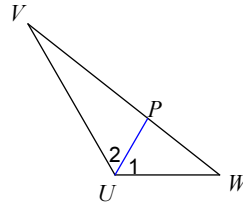
7

- 145) Find x if $m\angle 1 = 7x + 3$ and $m\angle 2 = 6x + 8$.



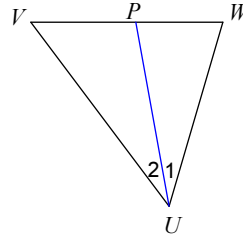
5

- 138) Find x if $m\angle 1 = 16x - 4$ and $m\angle 2 = 15x$.



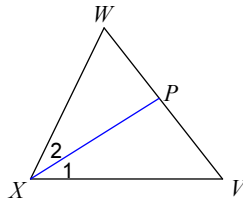
4

- 140) $m\angle 1 = 4x + 2$ and $m\angle WUV = 7x + 10$. Find x .



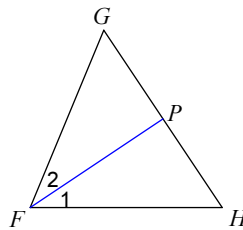
6

- 142) Find x if $m\angle 1 = 8x$ and $m\angle V\hat{X}W = 17x - 4$.



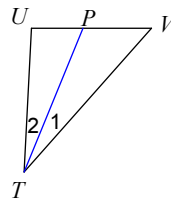
4

- 144) $m\angle 1 = 6x + 3$ and $m\angle 2 = 5x + 8$. Find x .



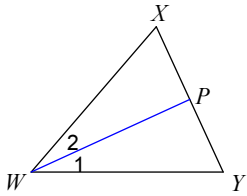
5

- 146) Find x if $m\angle 1 = 10x - 1$ and $m\angle 2 = 8x + 3$.



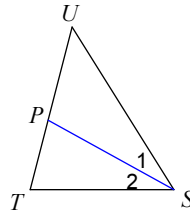
2

- 147) Find x if $m\angle 2 = 3x$ and $m\angle 1 = 4x - 8$.



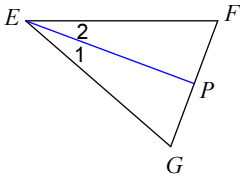
8

- 148) Find x if $m\angle 1 = 28x + 1$ and $m\angle UST = 59x - 1$.



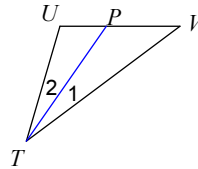
1

- 149) Find x if $m\angle 2 = 3x - 1$ and $m\angle 1 = x + 13$.



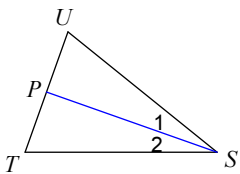
7

- 150) $m\angle 1 = 5x - 2$ and $m\angle 2 = 4x + 2$. Find x .



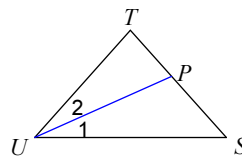
4

- 151) $m\angle 2 = 7x - 2$ and $m\angle 1 = 6x + 1$. Find x .



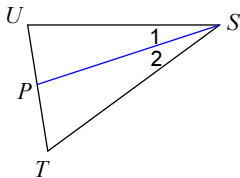
3

- 152) $m\angle 1 = 5x - 6$ and $m\angle SUT = 8x$. Find x .



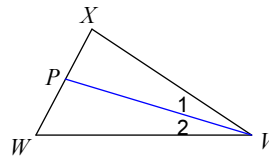
6

- 153) $m\angle 2 = 6x$ and $m\angle UST = 13x - 3$. Find x .



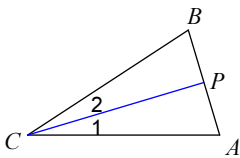
3

- 154) Find x if $m\angle 2 = 6x - 1$ and $m\angle XVW = 10x + 4$.



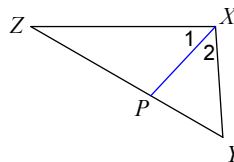
3

- 155) Find x if $m\angle 2 = 4x - 4$ and $m\angle ACB = 5x + 7$.



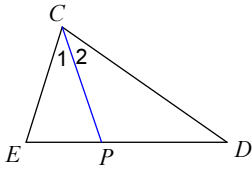
5

- 156) Find x if $m\angle 1 = 15x + 2$ and $m\angle 2 = 16x - 1$.



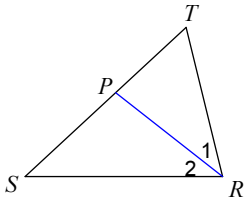
3

- 157) Find x if $m\angle 1 = 12x$ and $m\angle 2 = 13x - 3$.



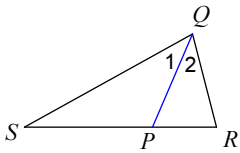
3

- 159) Find x if $m\angle 2 = -4 + 6x$ and $m\angle 1 = 4x + 10$.



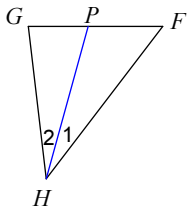
7

- 161) $m\angle 2 = 8x - 2$ and $m\angle 1 = 7x + 3$. Find x .



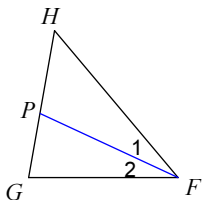
5

- 163) $m\angle 1 = 6 + 2x$ and $m\angle 2 = 3x - 2$. Find x .



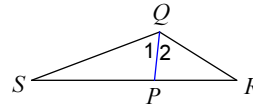
8

- 165) Find x if $m\angle 1 = 5x + 5$ and $m\angle 2 = -3 + 7x$.



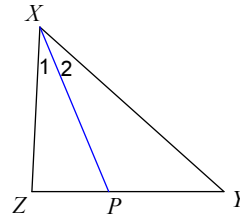
4

- 158) $m\angle 1 = 11x + 8$ and $m\angle SQR = 1 + 25x$. Find x .



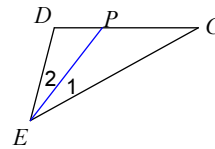
5

- 160) $m\angle 2 = 3x + 1$ and $m\angle 1 = 2x + 9$. Find x .



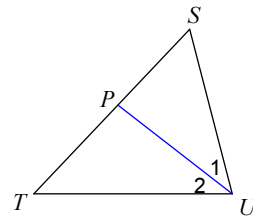
8

- 162) $m\angle 1 = 4x - 5$ and $m\angle CED = 6x + 4$. Find x .



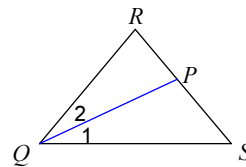
7

- 164) Find x if $m\angle 1 = 6x + 8$ and $m\angle SUT = 16x - 4$.



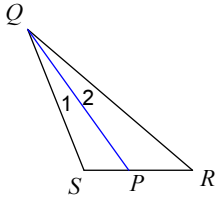
5

- 166) Find x if $m\angle 2 = 11 + 2x$ and $m\angle 1 = 3x + 4$.



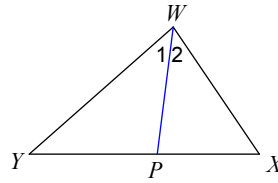
7

- 167) $m\angle 1 = x + 9$ and $m\angle 2 = 2x + 4$.
Find x .



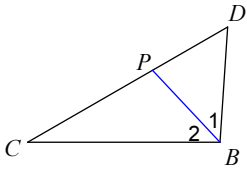
5

- 168) $m\angle 2 = 5x + 1$ and $m\angle 1 = 4x + 9$.
Find x .



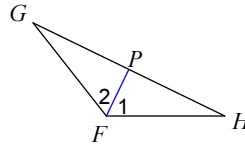
8

- 169) $m\angle 1 = 6x + 11$ and $m\angle 2 = 7x + 5$.
Find x .



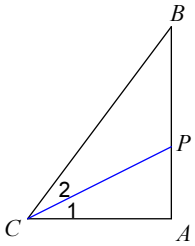
6

- 170) $m\angle 2 = 9x - 8$ and $m\angle 1 = 8x$.
Find x .



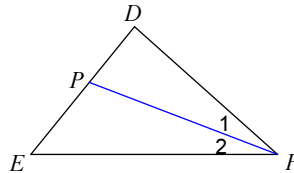
8

- 171) Find x if $m\angle 2 = -2 + 4x$ and $m\angle 1 = 2x + 12$.



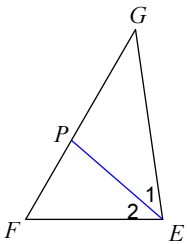
7

- 172) $m\angle 2 = 9x + 3$ and $m\angle DFE = 2 + 20x$.
Find x .



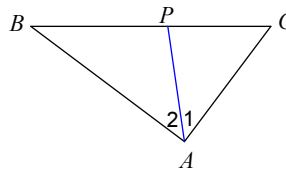
2

- 173) Find x if $m\angle 2 = 9x - 4$ and $m\angle 1 = 8x + 1$.



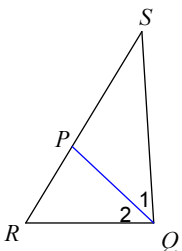
5

- 174) $m\angle 2 = 7x - 4$ and $m\angle CAB = 13x - 1$.
Find x .



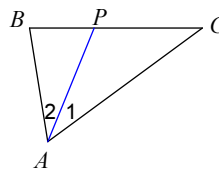
7

- 175) Find x if $m\angle 1 = 11x - 1$ and $m\angle SQR = 21x + 2$.



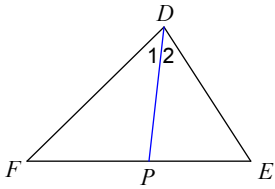
4

- 176) Find x if $m\angle 1 = 3x + 7$ and $m\angle 2 = 2x + 15$.



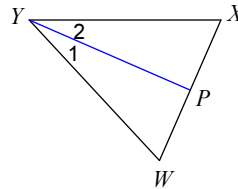
8

- 177) Find x if $m\angle 1 = 40x - 1$ and $m\angle 2 = 39x$.



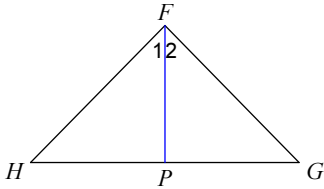
1

- 178) Find x if $m\angle 1 = 4x + 7$ and $m\angle WYX = 10x + 6$.



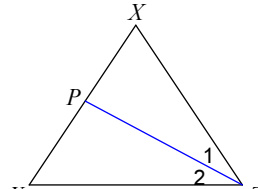
4

- 179) Find x if $m\angle 1 = 5x + 9$ and $m\angle HFG = 12x + 4$.



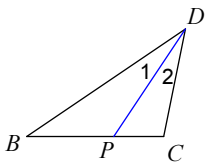
7

- 180) Find x if $m\angle 1 = 10x - 2$ and $m\angle 2 = 9x + 1$.



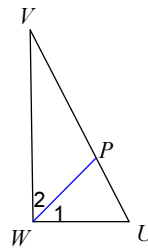
3

- 181) Find x if $m\angle 1 = 6x - 2$ and $m\angle BDC = 11x$.



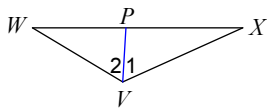
4

- 182) $m\angle 1 = 10x + 5$ and $m\angle 2 = -3 + 12x$. Find x .



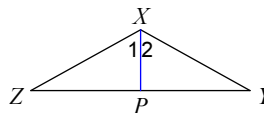
4

- 183) $m\angle 2 = 62x$ and $m\angle XVW = 125x - 1$. Find x .



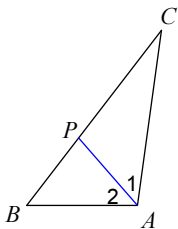
1

- 184) $m\angle 1 = 6x + 13$ and $m\angle ZXY = 15x + 2$. Find x .



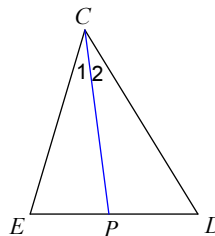
8

- 185) Find x if $m\angle 2 = 16x + 1$ and $m\angle CAB = 31x + 5$.



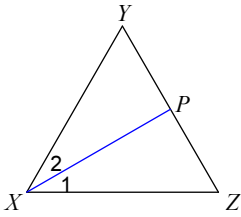
3

- 186) $m\angle 2 = 4x - 8$ and $m\angle ECD = 6x$. Find x .



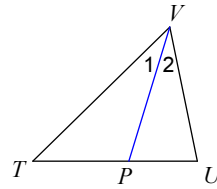
8

- 187) Find x if $m\angle 1 = 30x$ and $m\angle 2 = 31x - 1$.



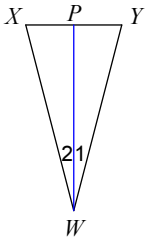
1

- 188) Find x if $m\angle 2 = 4x + 8$ and $m\angle TVU = 6 + 10x$.



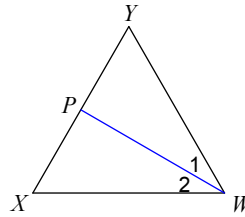
5

- 189) Find x if $m\angle 2 = 5 + 3x$ and $m\angle 1 = 5x - 1$.



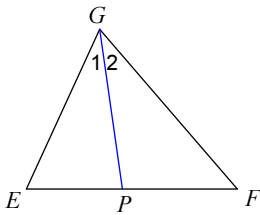
3

- 190) Find x if $m\angle 2 = 14x + 2$ and $m\angle YWX = 31x - 2$.



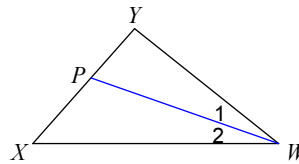
2

- 191) Find x if $m\angle 2 = 5x + 7$ and $m\angle EGF = 11x + 9$.



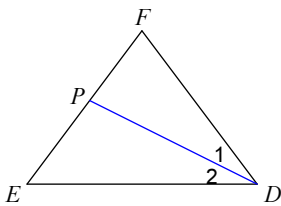
5

- 192) Find x if $m\angle 1 = -5 + 4x$ and $m\angle 2 = 2x + 7$.



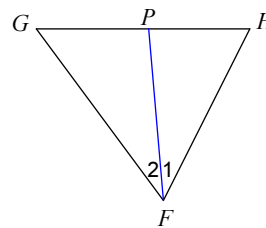
6

- 193) $m\angle 1 = -1 + 9x$ and $m\angle FDE = 16x + 4$. Find x .



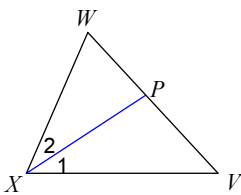
3

- 194) $m\angle 1 = 7x - 4$ and $m\angle HFG = 12x + 2$. Find x .



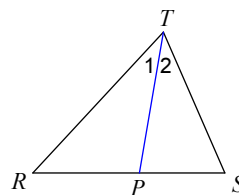
5

- 195) Find x if $m\angle 1 = 32x + 1$ and $m\angle 2 = 34x - 1$.



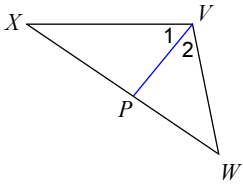
1

- 196) Find x if $m\angle 2 = 8 + 5x$ and $m\angle RTS = 1 + 13x$.



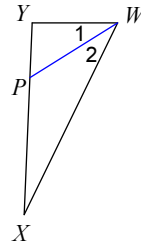
5

- 197) Find x if $m\angle 1 = 8x + 3$ and $m\angle XVW = 18x - 6$.



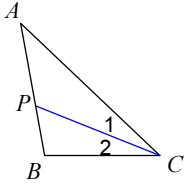
6

- 198) $m\angle 1 = 11x - 1$ and $m\angle 2 = 10x + 2$. Find x .



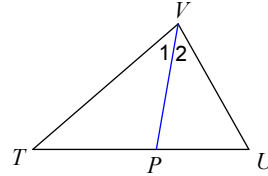
3

- 199) $m\angle 2 = 6x - 2$ and $m\angle 1 = 5x + 2$. Find x .



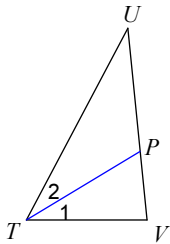
4

- 200) Find x if $m\angle 2 = 8x + 7$ and $m\angle TVU = 18x + 6$.



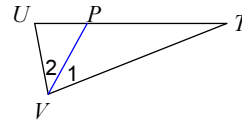
4

- 201) $m\angle 1 = 4x - 5$ and $m\angle VTU = 6x + 8$. Find x .



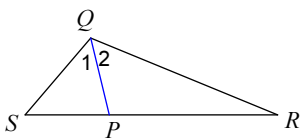
9

- 202) $m\angle 1 = 15 + 3x$ and $m\angle TVU = 8x + 14$. Find x .



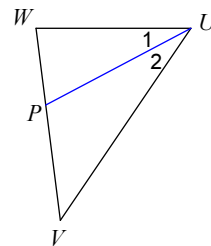
8

- 203) Find x if $m\angle 1 = 6x - 6$ and $m\angle 2 = 4x + 14$.



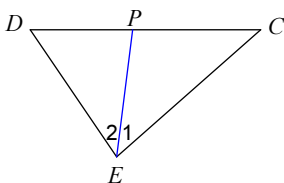
10

- 204) $m\angle 2 = 3x - 8$ and $m\angle WUV = 3x + 20$. Find x .



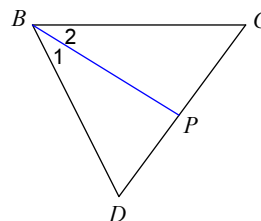
12

- 205) $m\angle 1 = 6 + 7x$ and $m\angle CED = 16x + 2$. Find x .



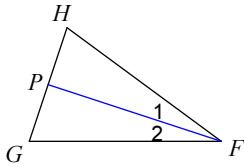
5

- 206) $m\angle 1 = 6x + 1$ and $m\angle 2 = 5x + 6$. Find x .



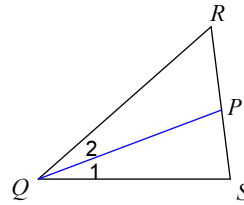
5

- 207) Find x if $m\angle 2 = 18x$ and $m\angle 1 = 19x - 1$.



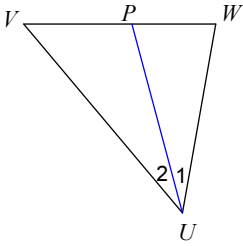
1

- 208) $m\angle 2 = 19x + 1$ and $m\angle 1 = 20x$. Find x .



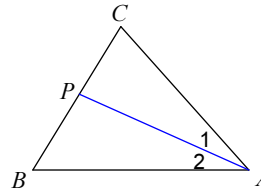
1

- 209) Find x if $m\angle 2 = 13x - 1$ and $m\angle WUV = 24x + 2$.



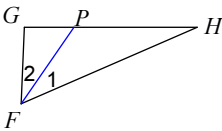
2

- 210) $m\angle 2 = 9 + 3x$ and $m\angle 1 = 4x + 4$. Find x .



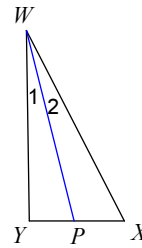
5

- 211) Find x if $m\angle 2 = x + 20$ and $m\angle HFG = 6x - 8$.



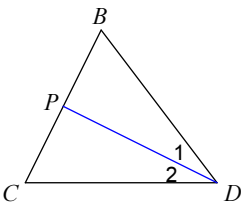
12

- 212) $m\angle 1 = 4x - 3$ and $m\angle 2 = 2x + 5$. Find x .



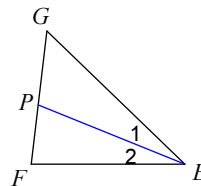
4

- 213) Find x if $m\angle 2 = 10 + 2x$ and $m\angle 1 = 3x + 2$.



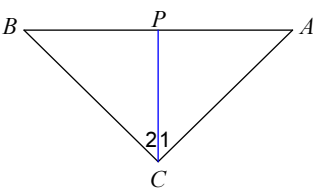
8

- 214) Find x if $m\angle 2 = 2x + 4$ and $m\angle GEF = 5x - 1$.



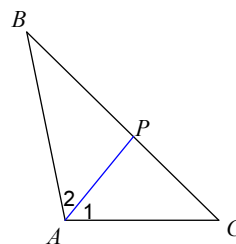
9

- 215) $m\angle 1 = 10x + 5$ and $m\angle ACB = 23x - 2$. Find x .



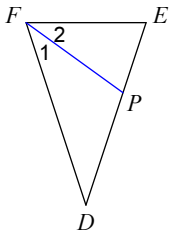
4

- 216) $m\angle 1 = 9x + 6$ and $m\angle CAB = 20x + 2$. Find x .



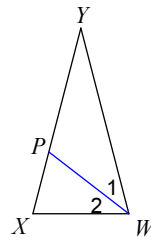
5

- 217) $m\angle 1 = 9 + 3x$ and $m\angle 2 = -9 + 5x$.
Find x .



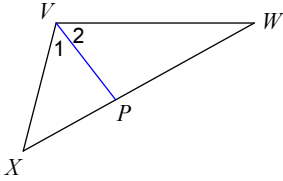
9

- 218) $m\angle 2 = -6 + 4x$ and $m\angle YWX = 6x + 10$.
Find x .



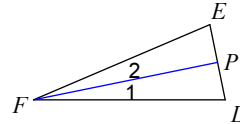
11

- 219) $m\angle 2 = 51x + 1$ and $m\angle XVW = 104x$.
Find x .



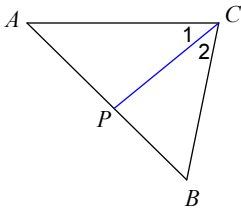
1

- 220) Find x if $m\angle 1 = x - 1$ and $m\angle DFE = x + 10$.



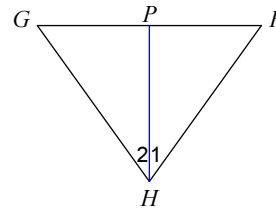
12

- 221) $m\angle 1 = 10x - 1$ and $m\angle ACB = 19x + 2$.
Find x .



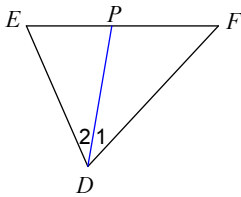
4

- 222) Find x if $m\angle 1 = 3 + 16x$ and $m\angle FHG = 36x - 2$.



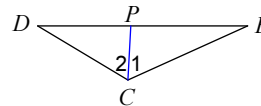
2

- 223) $m\angle 2 = 7x + 5$ and $m\angle FDE = 16x + 2$.
Find x .



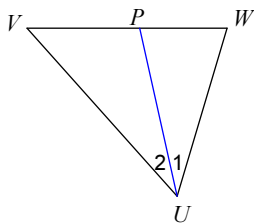
4

- 224) $m\angle 2 = 13x - 3$ and $m\angle 1 = 12x + 2$.
Find x .



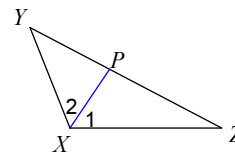
5

- 225) Find x if $m\angle 1 = 15x - 1$ and $m\angle WUV = 29x$.



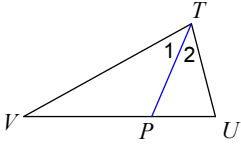
2

- 226) Find x if $m\angle 2 = 57x - 1$ and $m\angle ZXY = 112x$.



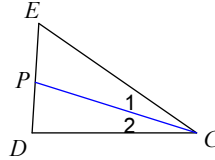
1

- 227) Find x if $m\angle 2 = 3x + 5$ and $m\angle 1 = 2x + 16$.



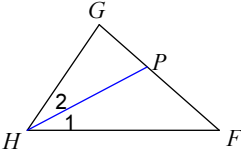
11

- 228) Find x if $m\angle 2 = 4x + 5$ and $m\angle 1 = 5x + 2$.



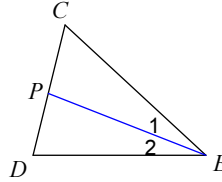
3

- 229) Find x if $m\angle 2 = 3x - 5$ and $m\angle FHG = 4x + 12$.



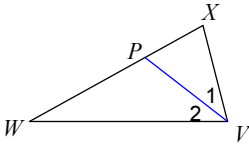
11

- 230) Find x if $m\angle 1 = 4x + 1$ and $m\angle 2 = 5x - 4$.



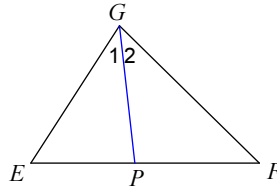
5

- 231) $m\angle 1 = 38x$ and $m\angle 2 = 39x - 1$. Find x .



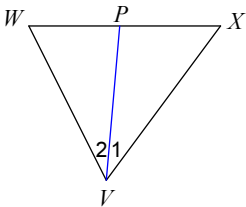
1

- 232) $m\angle 1 = 19x + 1$ and $m\angle 2 = 18x + 3$. Find x .



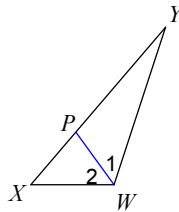
2

- 233) Find x if $m\angle 1 = 2x + 9$ and $m\angle XVW = 5x + 7$.



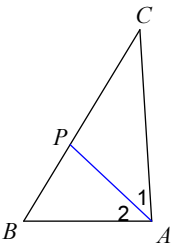
11

- 234) Find x if $m\angle 1 = 14x - 2$ and $m\angle YWX = 27x$.



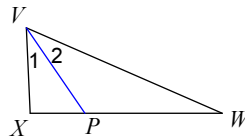
4

- 235) $m\angle 2 = 8x + 3$ and $m\angle CAB = 17x + 1$. Find x .



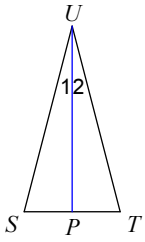
5

- 236) Find x if $m\angle 2 = x + 21$ and $m\angle XVW = 4x + 20$.



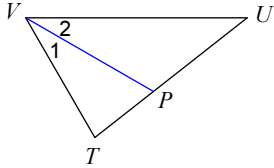
11

- 237) $m\angle 2 = 2x - 4$ and $m\angle 1 = x + 5$.
Find x .



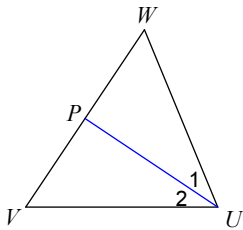
9

- 239) Find x if $m\angle 2 = x + 19$ and $m\angle 1 = 2x + 8$.



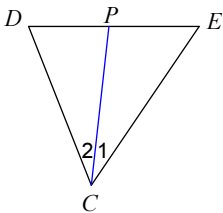
11

- 241) Find x if $m\angle 1 = 4x + 1$ and $m\angle WUV = 7x + 10$.



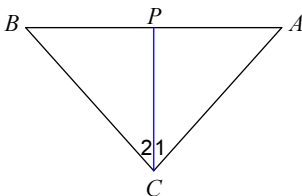
8

- 243) Find x if $m\angle 2 = 13x + 2$ and $m\angle 1 = 14x$.



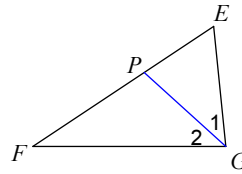
2

- 245) $m\angle 2 = 3x + 15$ and $m\angle ACB = 9x + 3$.
Find x .



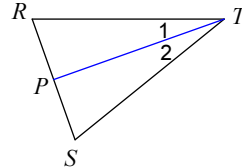
9

- 238) Find x if $m\angle 2 = 42x$ and $m\angle 1 = 43x - 1$.



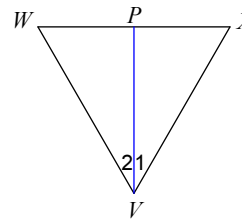
1

- 240) $m\angle 1 = x + 9$ and $m\angle RTS = 3x + 8$.
Find x .



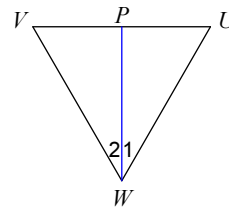
10

- 242) $m\angle 2 = 4x + 6$ and $m\angle 1 = 5x$.
Find x .



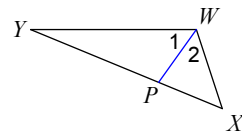
6

- 244) Find x if $m\angle 2 = 6x$ and $m\angle UWW = 13x - 5$.



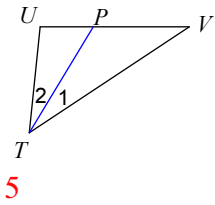
5

- 246) $m\angle 2 = 6x$ and $m\angle 1 = 5x + 9$.
Find x .



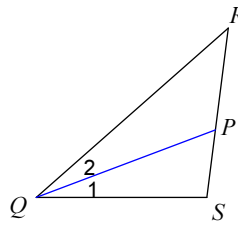
9

- 247) $m\angle 2 = 4x + 5$ and $m\angle VTU = 10x$.
Find x .



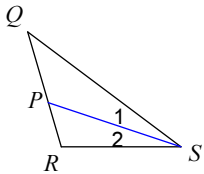
5

- 248) Find x if $m\angle 2 = x + 11$ and $m\angle SQR = 3x + 13$.



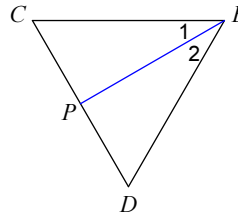
9

- 249) Find x if $m\angle 2 = 2x + 4$ and $m\angle QSR = 6x - 6$.



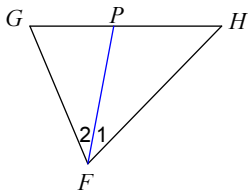
7

- 250) Find x if $m\angle 2 = 4x + 6$ and $m\angle CED = 10x$.



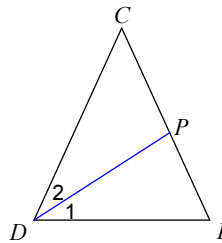
6

- 251) $m\angle 1 = 5x - 2$ and $m\angle HFG = 8x + 10$.
Find x .



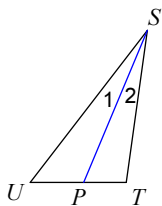
7

- 252) $m\angle 1 = x + 21$ and $m\angle BDC = 5x + 9$.
Find x .



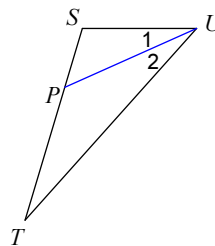
11

- 253) Find x if $m\angle 2 = 2x - 7$ and $m\angle 1 = x + 4$.



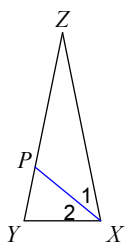
11

- 254) Find x if $m\angle 1 = 3x - 12$ and $m\angle SUT = 5x - 12$.



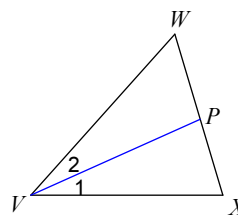
12

- 255) $m\angle 1 = 9 + 5x$ and $m\angle ZXY = -6 + 14x$.
Find x .



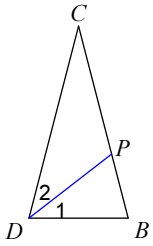
6

- 256) Find x if $m\angle 1 = 3x + 9$ and $m\angle XVW = 10x - 2$.



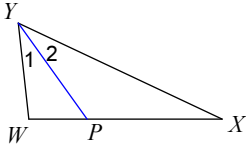
5

- 257) Find x if $m\angle 2 = 4x + 2$ and $m\angle 1 = 5x - 7$.



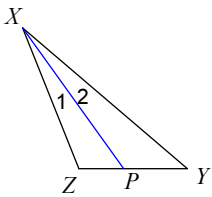
9

- 259) Find x if $m\angle 2 = 8x + 5$ and $m\angle 1 = 10x - 1$.



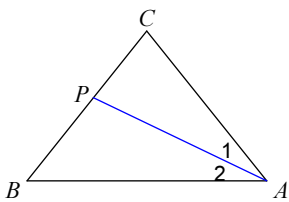
3

- 261) $m\angle 1 = 2x - 2$ and $m\angle 2 = x + 6$. Find x .



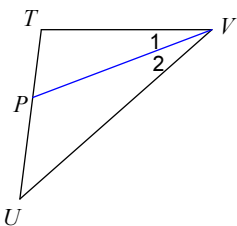
8

- 263) Find x if $m\angle 1 = x + 13$ and $m\angle CAB = 5x - 10$.



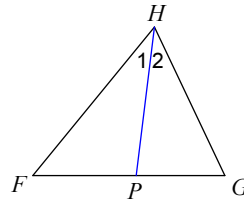
12

- 265) $m\angle 2 = 3x + 2$ and $m\angle TVU = 7x - 2$. Find x .



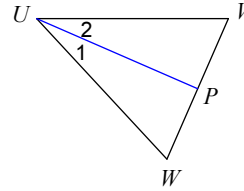
6

- 258) Find x if $m\angle 1 = 8x$ and $m\angle FHG = 15x + 4$.



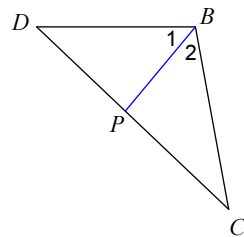
4

- 260) $m\angle 1 = 3x - 7$ and $m\angle WUV = 6 + 4x$. Find x .



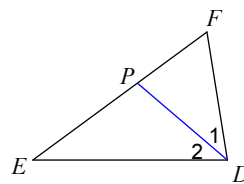
10

- 262) Find x if $m\angle 2 = 8x - 6$ and $m\angle DBC = 14x + 2$.



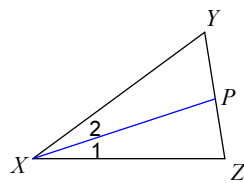
7

- 264) Find x if $m\angle 2 = 5x - 5$ and $m\angle 1 = 3x + 13$.



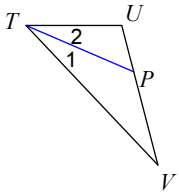
9

- 266) $m\angle 2 = x + 8$ and $m\angle 1 = 2x - 2$. Find x .



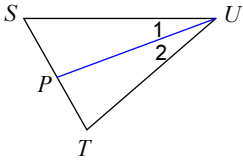
10

- 267) Find x if $m\angle 2 = 22x + 1$ and $m\angle 1 = 24x - 1$.



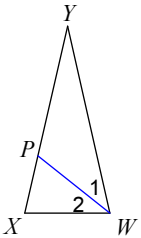
1

- 269) $m\angle 2 = 5x + 5$ and $m\angle 1 = 7x - 1$. Find x .



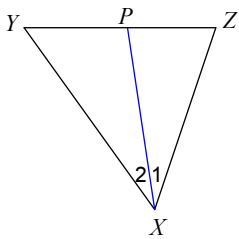
3

- 271) $m\angle 1 = 7x + 3$ and $m\angle YWX = 15x + 1$. Find x .



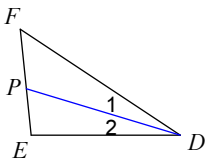
5

- 273) Find x if $m\angle 1 = x + 15$ and $m\angle ZXY = 4x + 6$.



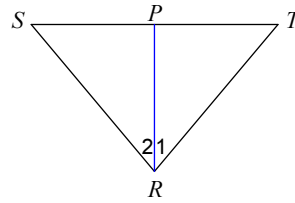
12

- 275) Find x if $m\angle 1 = x + 8$ and $m\angle 2 = 2x - 1$.



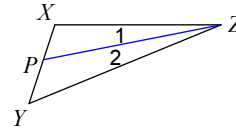
9

- 268) $m\angle 1 = 12x + 4$ and $m\angle 2 = 14x - 2$. Find x .



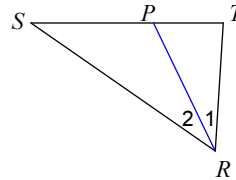
3

- 270) $m\angle 2 = 4x + 3$ and $m\angle 1 = 5x + 1$. Find x .



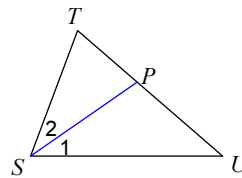
2

- 272) $m\angle 2 = 2x + 13$ and $m\angle 1 = 3x + 5$. Find x .



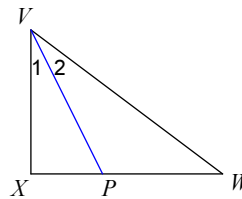
8

- 274) $m\angle 2 = 7x + 7$ and $m\angle 1 = 3 + 8x$. Find x .



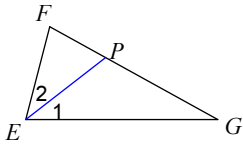
4

- 276) Find x if $m\angle 1 = 2x + 6$ and $m\angle 2 = x + 16$.



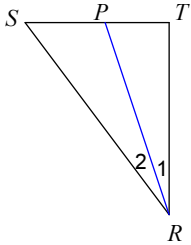
10

- 277) $m\angle 1 = 19x$ and $m\angle GEF = 39x - 2$.
Find x .



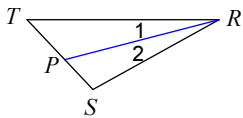
2

- 279) Find x if $m\angle 1 = x + 7$ and $m\angle 2 = 2x - 4$.



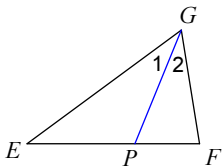
11

- 281) $m\angle 1 = 2x + 4$ and $m\angle TRS = 6x - 2$.
Find x .



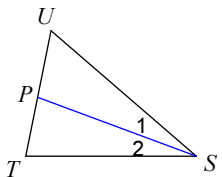
5

- 283) Find x if $m\angle 2 = 32x - 1$ and $m\angle 1 = 31x$.



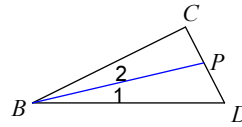
1

- 285) $m\angle 2 = 3x + 5$ and $m\angle UST = 7x + 5$.
Find x .



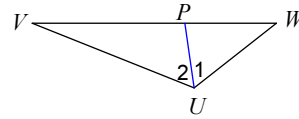
5

- 278) $m\angle 1 = 2x - 5$ and $m\angle 2 = x + 4$.
Find x .



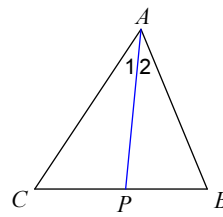
9

- 280) $m\angle 1 = 16x - 4$ and $m\angle WUV = 30x$.
Find x .



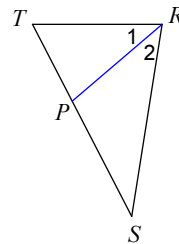
4

- 282) Find x if $m\angle 2 = 2x + 10$ and $m\angle CAB = 6x + 2$.



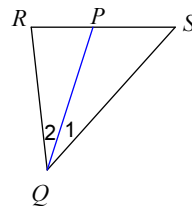
9

- 284) Find x if $m\angle 1 = 2x + 16$ and $m\angle 2 = 3x + 4$.



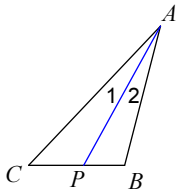
12

- 286) $m\angle 1 = 11x + 2$ and $m\angle 2 = 12x$.
Find x .



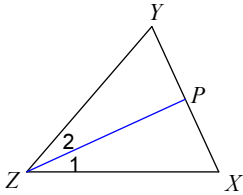
2

- 287) $m\angle 1 = 14x$ and $m\angle 2 = 13x + 1$.
Find x .



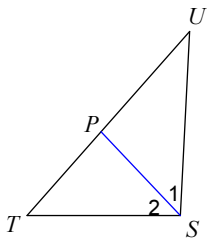
1

- 289) Find x if $m\angle 1 = 5x + 4$ and $m\angle 2 = 7x - 4$.



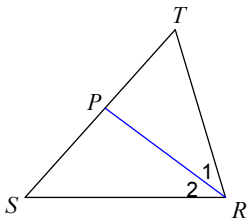
4

- 291) Find x if $m\angle 1 = 8x + 6$ and $m\angle 2 = -4 + 10x$.



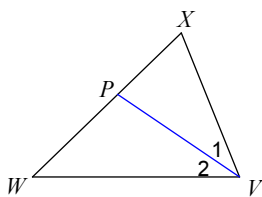
5

- 293) $m\angle 1 = 4x - 8$ and $m\angle TRS = 5x + 17$.
Find x .



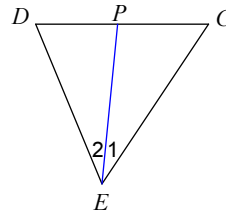
11

- 295) $m\angle 1 = 3x + 13$ and $m\angle XVW = 8x + 12$.
Find x .



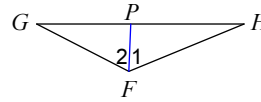
7

- 288) $m\angle 1 = 13x + 2$ and $m\angle CED = 28x$.
Find x .



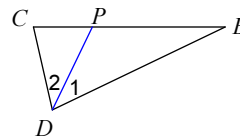
2

- 290) Find x if $m\angle 2 = 4x + 21$ and $m\angle HFG = 12x - 2$.



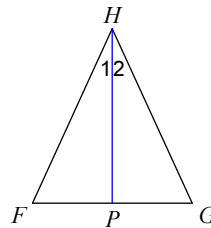
11

- 292) $m\angle 1 = 5x - 2$ and $m\angle 2 = 4x + 6$.
Find x .



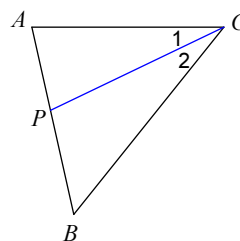
8

- 294) $m\angle 2 = 5x - 1$ and $m\angle FHG = 9x + 3$.
Find x .



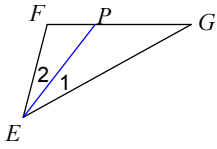
5

- 296) Find x if $m\angle 2 = 25x$ and $m\angle 1 = 26x - 1$.



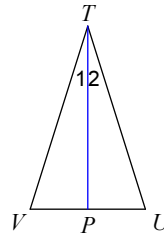
1

- 297) $m\angle 1 = 3x - 7$ and $m\angle 2 = x + 13$.
Find x .



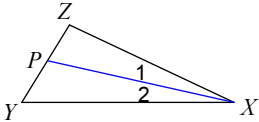
10

- 298) $m\angle 2 = x + 10$ and $m\angle VTU = 5x - 1$.
Find x .



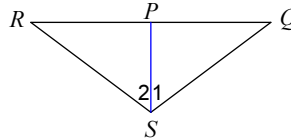
7

- 299) Find x if $m\angle 1 = 2x - 12$ and $m\angle 2 = x$.



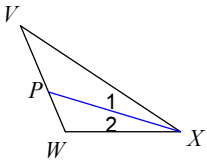
12

- 300) Find x if $m\angle 1 = 8 + 5x$ and $m\angle QSR = 11x + 7$.



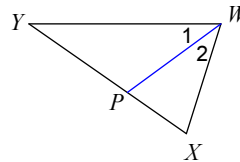
9

- 301) Find x if $m\angle 1 = 3x - 31$ and $m\angle VXW = 2x + 2$.



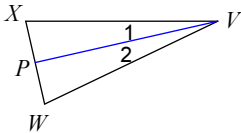
16

- 302) $m\angle 2 = 5x - 24$ and $m\angle YWX = 5x + 12$.
Find x .



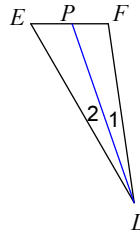
12

- 303) Find x if $m\angle 1 = 4x - 3$ and $m\angle 2 = 3x + 1$.



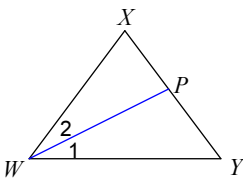
4

- 304) Find x if $m\angle 2 = x + 2$ and $m\angle 1 = -16 + 3x$.



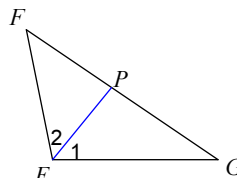
9

- 305) $m\angle 2 = 2x - 12$ and $m\angle 1 = 3x - 31$.
Find x .



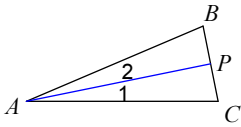
19

- 306) Find x if $m\angle 2 = 3x + 12$ and $m\angle 1 = 4x - 1$.



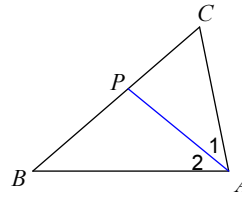
13

- 307) Find x if $m\angle 2 = x - 3$ and $m\angle 1 = 3x - 31$.



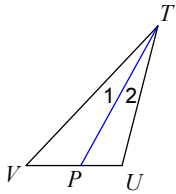
14

- 308) $m\angle 2 = 4x + 7$ and $m\angle 1 = 6x - 9$. Find x .



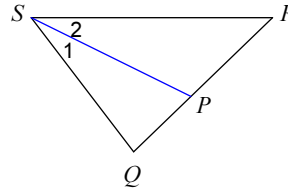
8

- 309) Find x if $m\angle 2 = x - 3$ and $m\angle VTU = 3x - 23$.



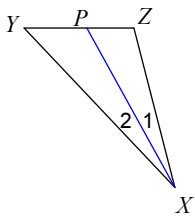
17

- 310) $m\angle 1 = 6x + 8$ and $m\angle 2 = 7x + 5$. Find x .



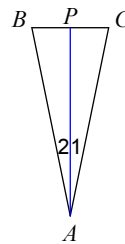
3

- 311) Find x if $m\angle 1 = x + 2$ and $m\angle ZXY = 3x - 8$.



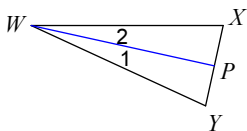
12

- 312) $m\angle 2 = 3x - 1$ and $m\angle 1 = 4x - 5$. Find x .



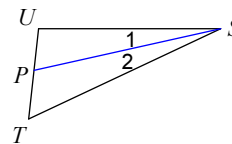
4

- 313) Find x if $m\angle 1 = -39 + 3x$ and $m\angle 2 = 2x - 22$.



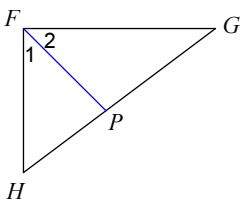
17

- 314) $m\angle 2 = 5x - 8$ and $m\angle UST = 4x + 8$. Find x .



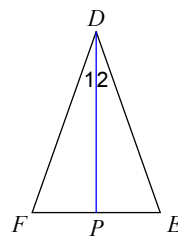
4

- 315) $m\angle 1 = 4x + 13$ and $m\angle HFG = 9x + 18$. Find x .



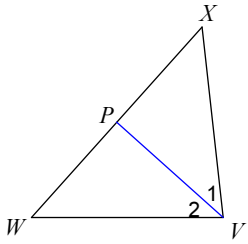
8

- 316) $m\angle 1 = 3x - 35$ and $m\angle 2 = 2x - 17$. Find x .



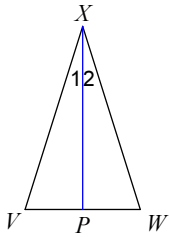
18

- 317) Find x if $m\angle 1 = 4x - 14$ and $m\angle 2 = 3x$.



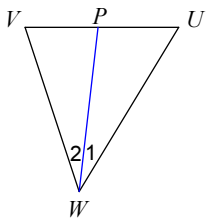
14

- 319) $m\angle 2 = x + 9$ and $m\angle VXW = 5x - 6$. Find x .



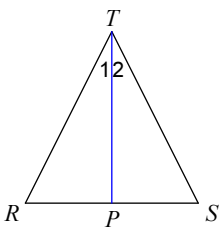
8

- 321) Find x if $m\angle 1 = x + 10$ and $m\angle UWW = 3x + 6$.



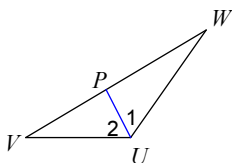
14

- 323) $m\angle 2 = -14 + 5x$ and $m\angle 1 = 2x + 10$. Find x .



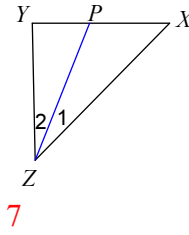
8

- 325) $m\angle 1 = x + 45$ and $m\angle WUV = 22 + 6x$. Find x .



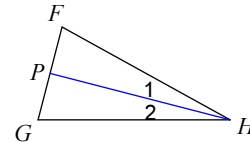
17

- 318) Find x if $m\angle 1 = 5x - 12$ and $m\angle XZY = 6x + 4$.



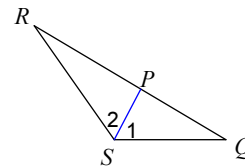
7

- 320) $m\angle 1 = 2x - 20$ and $m\angle 2 = 3x - 37$. Find x .



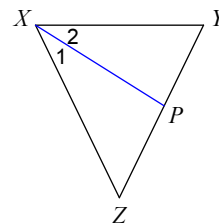
17

- 322) Find x if $m\angle 2 = 15x + 2$ and $m\angle QSR = 32x - 4$.



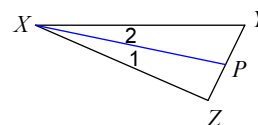
4

- 324) $m\angle 2 = 6x - 4$ and $m\angle ZXY = 8x + 16$. Find x .



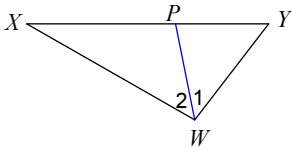
6

- 326) Find x if $m\angle 1 = 3x - 42$ and $m\angle ZXY = 6 + x$.



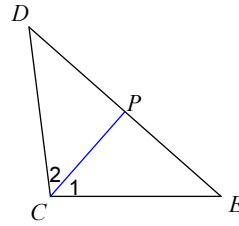
18

- 327) $m\angle 2 = x + 35$ and $m\angle YWX = 7x$.
Find x .



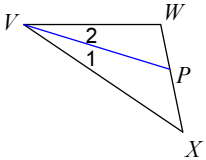
14

- 328) $m\angle 2 = 4x - 24$ and $m\angle ECD = 5x + 6$.
Find x .



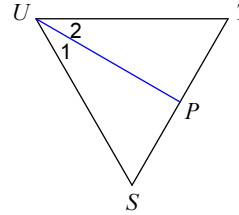
18

- 329) Find x if $m\angle 1 = x - 1$ and $m\angle 2 = 2x - 19$.



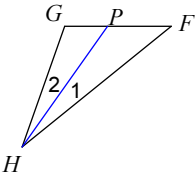
18

- 330) $m\angle 1 = 5x - 10$ and $m\angle SUT = 9x - 12$.
Find x .



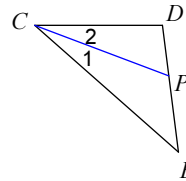
8

- 331) $m\angle 2 = 2x$ and $m\angle 1 = 3x - 8$.
Find x .



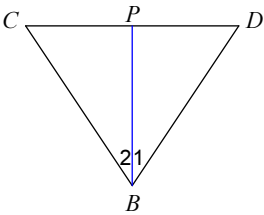
8

- 332) $m\angle 2 = 3x + 8$ and $m\angle ECD = 9x + 4$.
Find x .



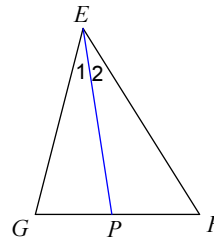
4

- 333) $m\angle 1 = 2x + 19$ and $m\angle 2 = 3x + 12$.
Find x .



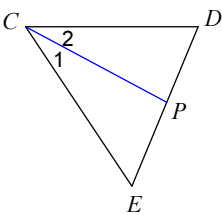
7

- 334) $m\angle 1 = 2x + 5$ and $m\angle 2 = 4x - 13$.
Find x .



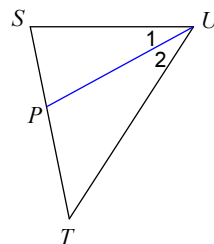
9

- 335) $m\angle 1 = 4 + 2x$ and $m\angle 2 = 3x - 8$.
Find x .



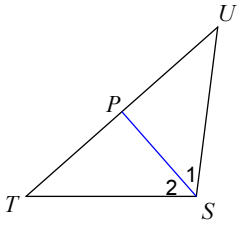
12

- 336) Find x if $m\angle 2 = x + 17$ and $m\angle SUT = 5x + 1$.



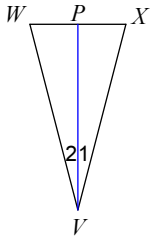
11

- 337) $m\angle 2 = x + 33$ and $m\angle UST = 6x + 6$.
Find x .



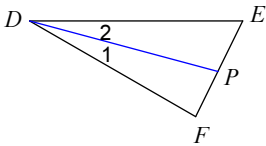
15

- 339) Find x if $m\angle 2 = 3x - 31$ and $m\angle 1 = -1 + x$.



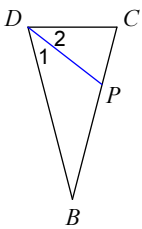
15

- 341) $m\angle 2 = x + 11$ and $m\angle 1 = 5x - 5$.
Find x .



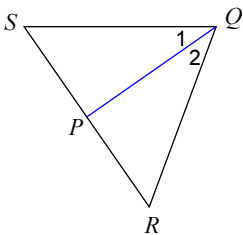
4

- 343) Find x if $m\angle 1 = 2x + 22$ and $m\angle BDC = 10x - 4$.



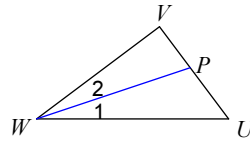
8

- 345) $m\angle 2 = 3x + 17$ and $m\angle 1 = 6x - 1$.
Find x .



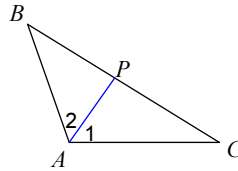
6

- 338) Find x if $m\angle 2 = 3x - 24$ and $m\angle 1 = 2x - 10$.



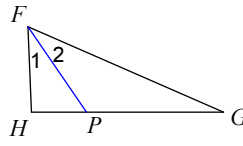
14

- 340) Find x if $m\angle 1 = 18 + 3x$ and $m\angle CAB = 8x + 12$.



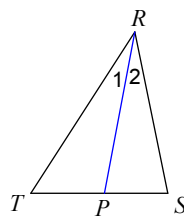
12

- 342) $m\angle 1 = 3x - 19$ and $m\angle 2 = 2x - 2$.
Find x .



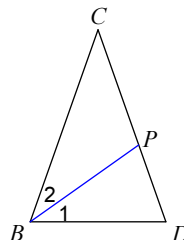
17

- 344) Find x if $m\angle 1 = 2x - 4$ and $m\angle TRS = 2x + 18$.



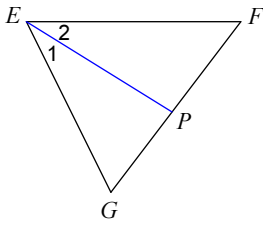
13

- 346) $m\angle 2 = 4x - 13$ and $m\angle DBC = 5x + 10$.
Find x .



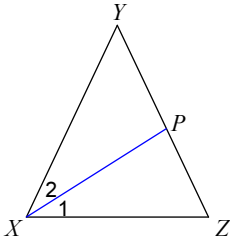
12

- 347) $m\angle 2 = 18x - 4$ and $m\angle 1 = 16x$.
Find x .



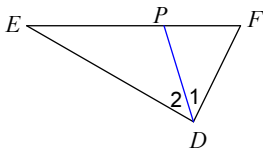
2

- 349) Find x if $m\angle 2 = 3x - 22$ and $m\angle ZXY = 2x + 28$.



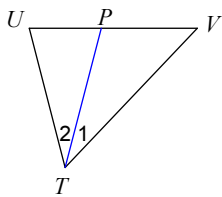
18

- 351) Find x if $m\angle 1 = 3x - 5$ and $m\angle 2 = 2x + 11$.



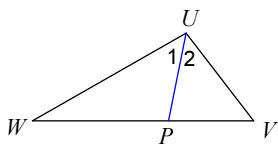
16

- 353) Find x if $m\angle 2 = 2x - 7$ and $m\angle VTU = 2x + 22$.



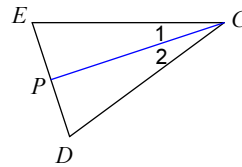
18

- 355) $m\angle 2 = 2x + 23$ and $m\angle 1 = 3x + 10$.
Find x .



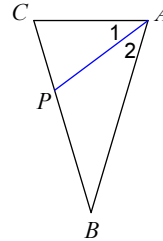
13

- 348) $m\angle 1 = 4x - 18$ and $m\angle ECD = 5x - 9$.
Find x .



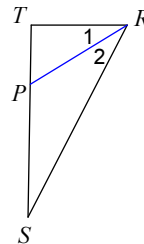
9

- 350) Find x if $m\angle 1 = x + 17$ and $m\angle 2 = 3x - 21$.



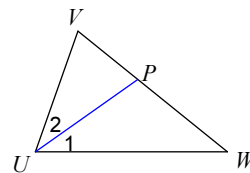
19

- 352) $m\angle 2 = 8x - 1$ and $m\angle TRS = 17x - 6$.
Find x .



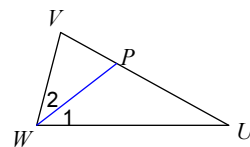
4

- 354) Find x if $m\angle 1 = 2x + 13$ and $m\angle 2 = 4x - 9$.



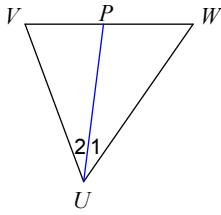
11

- 356) Find x if $m\angle 2 = -10 + 8x$ and $m\angle UWW = 13x - 2$.



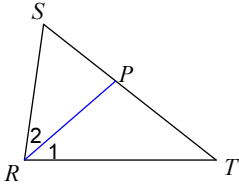
6

- 357) $m\angle 2 = 14x - 1$ and $m\angle WUV = 26x + 2$.
Find x .



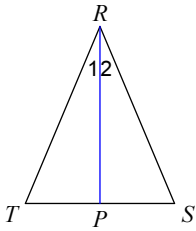
2

- 359) Find x if $m\angle 2 = 4x - 35$ and $m\angle TRS = 5x - 13$.



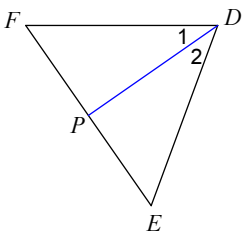
19

- 361) Find x if $m\angle 2 = x + 9$ and $m\angle TRS = 3x + 4$.



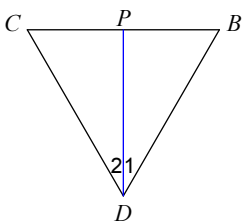
14

- 363) $m\angle 2 = x + 26$ and $m\angle FDE = 5x + 25$.
Find x .



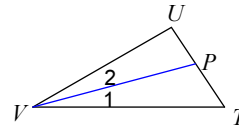
9

- 365) $m\angle 1 = 2x + 4$ and $m\angle BDC = 6x - 18$.
Find x .



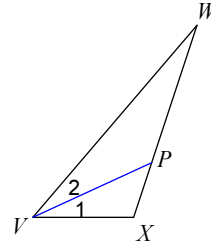
13

- 358) $m\angle 2 = 2x - 19$ and $m\angle TVU = 2x - 4$.
Find x .



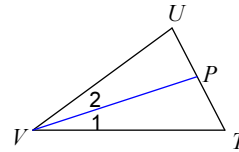
17

- 360) Find x if $m\angle 1 = 6x - 12$ and $m\angle 2 = 2x + 12$.



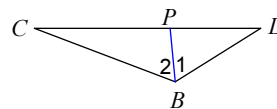
6

- 362) $m\angle 2 = -2 + 4x$ and $m\angle TVU = 9x - 9$.
Find x .



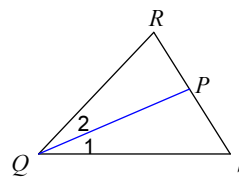
5

- 364) Find x if $m\angle 2 = 63x$ and $m\angle 1 = 61x + 2$.



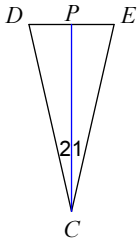
1

- 366) $m\angle 2 = x + 4$ and $m\angle 1 = 3x - 34$.
Find x .



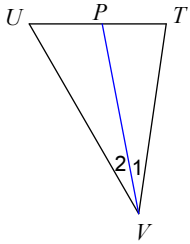
19

- 367) $m\angle 2 = 3x - 17$ and $m\angle ECD = 3x - 4$.
Find x .



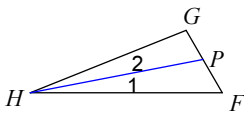
10

- 369) $m\angle 1 = 2x - 15$ and $m\angle TVU = 3x - 13$.
Find x .



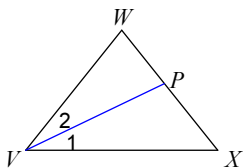
17

- 371) $m\angle 1 = 2x - 3$ and $m\angle 2 = 4 + x$.
Find x .



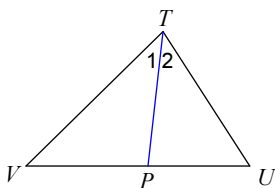
7

- 373) $m\angle 1 = 2x - 15$ and $m\angle XVW = 2x + 10$.
Find x .



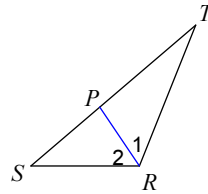
20

- 375) $m\angle 2 = 2x - 1$ and $m\angle 1 = 3x - 21$.
Find x .



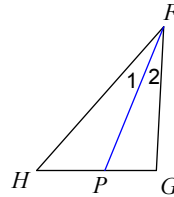
20

- 368) $m\angle 2 = 8x - 8$ and $m\angle TRS = 12x + 16$.
Find x .



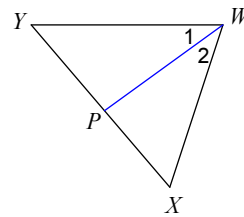
8

- 370) $m\angle 1 = 6x + 1$ and $m\angle 2 = 8x - 5$.
Find x .



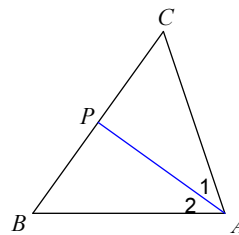
3

- 372) Find x if $m\angle 2 = 2x$ and $m\angle YWX = 2x + 36$.



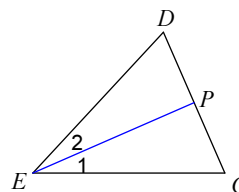
18

- 374) Find x if $m\angle 1 = -13 + 4x$ and $m\angle 2 = 3x - 1$.



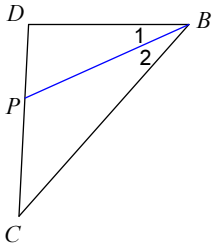
12

- 376) Find x if $m\angle 1 = x + 8$ and $m\angle CED = x + 31$.



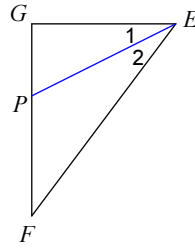
15

- 377) Find x if $m\angle 2 = 3x - 36$ and $m\angle DBC = 4x - 32$.



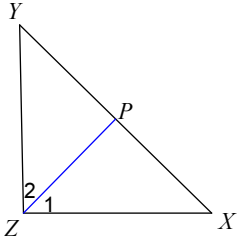
20

- 378) $m\angle 2 = 2x$ and $m\angle GEF = 5x - 13$. Find x .



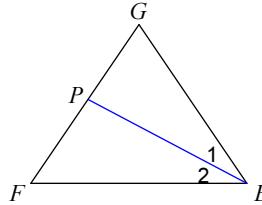
13

- 379) $m\angle 1 = 4x - 31$ and $m\angle XZY = 4x + 14$. Find x .



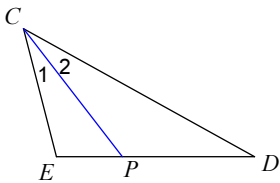
19

- 380) $m\angle 2 = 2x$ and $m\angle 1 = x + 14$. Find x .



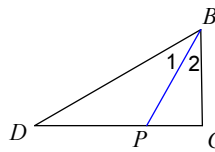
14

- 381) Find x if $m\angle 2 = 2x + 1$ and $m\angle 1 = 4x - 21$.



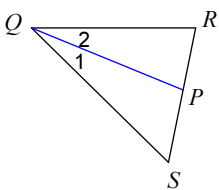
11

- 382) Find x if $m\angle 2 = 6x$ and $m\angle DBC = 13x - 5$.



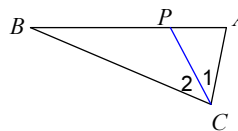
5

- 383) $m\angle 1 = x + 4$ and $m\angle 2 = 2x - 14$. Find x .



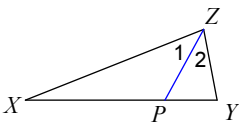
18

- 384) $m\angle 2 = 8x + 7$ and $m\angle 1 = 7x + 11$. Find x .



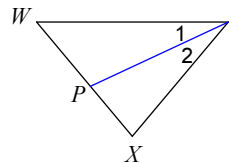
4

- 385) Find x if $m\angle 1 = 3x - 15$ and $m\angle XZY = 4x + 6$.



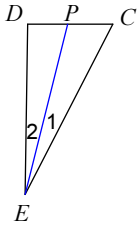
18

- 386) $m\angle 1 = 6x - 5$ and $m\angle WYX = 10x$. Find x .



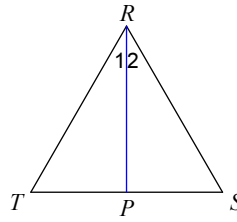
5

- 387) $m\angle 2 = x - 4$ and $m\angle CED = 3x - 25$.
Find x .



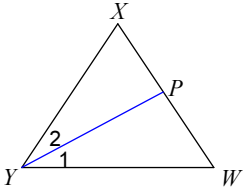
17

- 388) Find x if $m\angle 1 = 28x + 2$ and $m\angle TRS = 62x - 2$.



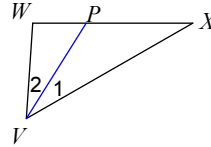
1

- 389) $m\angle 2 = 26x + 2$ and $m\angle WYX = 58x - 2$.
Find x .



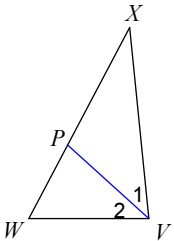
1

- 390) $m\angle 2 = 3x - 23$ and $m\angle 1 = x + 11$.
Find x .



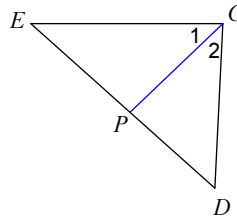
17

- 391) Find x if $m\angle 2 = 15x - 3$ and $m\angle XVW = 28x$.



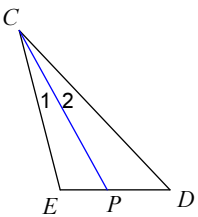
3

- 392) $m\angle 2 = 9x + 7$ and $m\angle 1 = 12x - 5$.
Find x .



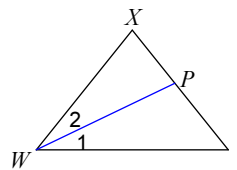
4

- 393) Find x if $m\angle 2 = 4x - 6$ and $m\angle ECD = 6x - 2$.



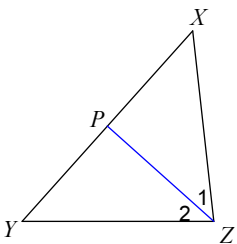
5

- 394) Find x if $m\angle 2 = x + 7$ and $m\angle YWX = 3x - 4$.



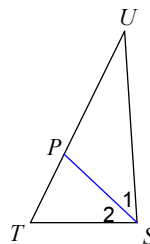
18

- 395) Find x if $m\angle 2 = 6x + 12$ and $m\angle 1 = 8x + 2$.



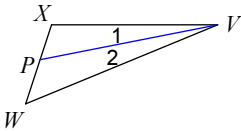
5

- 396) $m\angle 2 = 4x - 21$ and $m\angle UST = 22 + 4x$.
Find x .



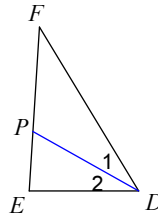
16

- 397) $m\angle 1 = x - 8$ and $m\angle 2 = 2x - 27$.
Find x .



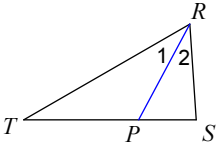
19

- 398) Find x if $m\angle 2 = 6x - 13$ and $m\angle 1 = 5x - 6$.



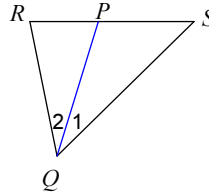
7

- 399) Find x if $m\angle 1 = 10x - 8$ and $m\angle TRS = -8 + 18x$.



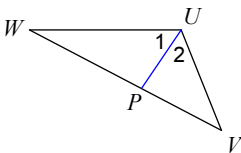
4

- 400) $m\angle 1 = 3x - 17$ and $m\angle SQR = 3x + 11$.
Find x .



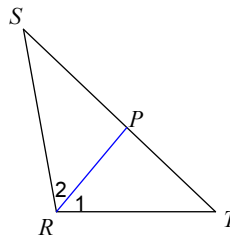
15

- 401) $m\angle 1 = 2x + 24$ and $m\angle WUV = 11x - 64$.
Find x .



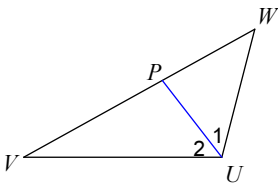
16

- 402) $m\angle 2 = 5x - 160$ and $m\angle 1 = 4x - 118$.
Find x .



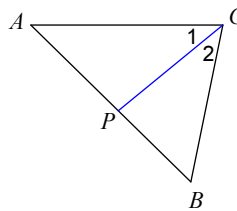
42

- 403) Find x if $m\angle 2 = 3x + 34$ and $m\angle 1 = 5x + 22$.



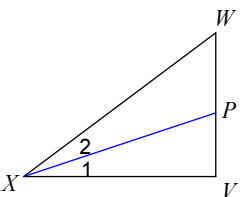
6

- 404) $m\angle 1 = 5x - 66$ and $m\angle ACB = 5x - 27$.
Find x .



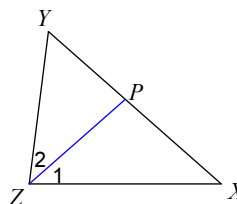
21

- 405) Find x if $m\angle 2 = 2x - 48$ and $m\angle 1 = 6x - 180$.



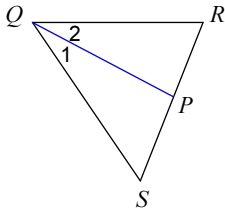
33

- 406) $m\angle 1 = x - 9$ and $m\angle XZY = 3x - 68$.
Find x .



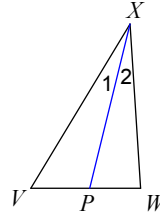
50

- 407) $m\angle 1 = 5x - 117$ and $m\angle SQR = 4x - 60$.
Find x .



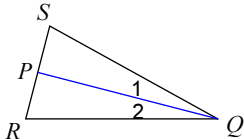
29

- 408) Find x if $m\angle 2 = 3x - 100$ and $m\angle 1 = 7x - 256$.



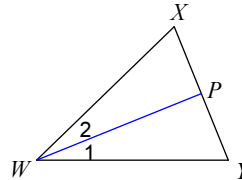
39

- 409) Find x if $m\angle 1 = 7x - 189$ and $m\angle SQR = 3x - 59$.



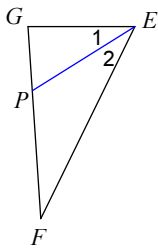
29

- 410) Find x if $m\angle 2 = 5x - 63$ and $m\angle 1 = 3x - 29$.



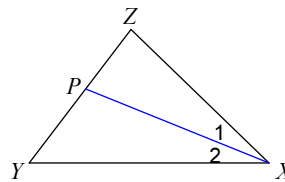
17

- 411) $m\angle 1 = 3x - 22$ and $m\angle GEF = 3x + 10$.
Find x .



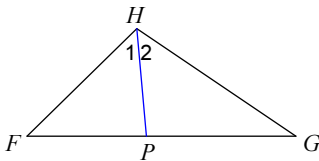
18

- 412) Find x if $m\angle 1 = 7x - 132$ and $m\angle ZXY = 7x - 110$.



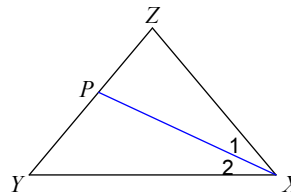
22

- 413) Find x if $m\angle 2 = 6x - 213$ and $m\angle 1 = -81 + 3x$.



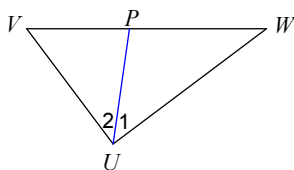
44

- 414) Find x if $m\angle 1 = 5x - 225$ and $m\angle ZXY = 2x - 50$.



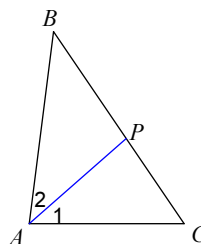
50

- 415) $m\angle 1 = 2x - 21$ and $m\angle WUV = x + 57$.
Find x .



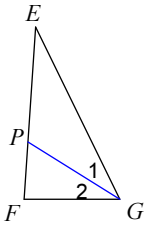
33

- 416) $m\angle 2 = 4x - 63$ and $m\angle CAB = 4x - 22$.
Find x .



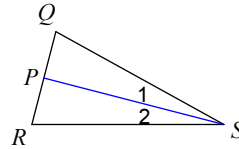
26

- 417) Find x if $m\angle 2 = 6x - 226$ and $m\angle EGF = 6x - 194$.



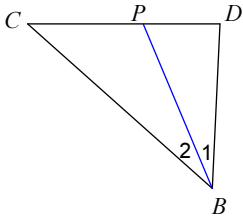
43

- 418) $m\angle 2 = 7x - 301$ and $m\angle QSR = 6x - 242$. Find x .



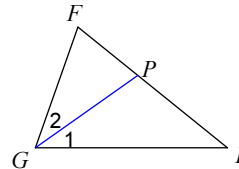
45

- 419) $m\angle 1 = 17 + x$ and $m\angle DBC = x + 42$. Find x .



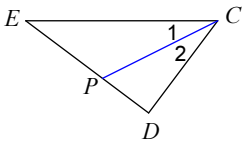
8

- 420) Find x if $m\angle 1 = 4x - 129$ and $m\angle 2 = -252 + 7x$.



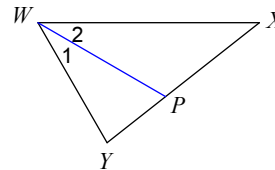
41

- 421) Find x if $m\angle 2 = 5x - 129$ and $m\angle 1 = 3x - 67$.



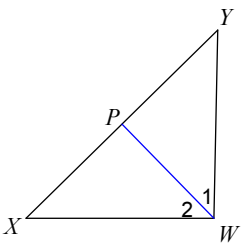
31

- 422) $m\angle 2 = 3x - 63$ and $m\angle YWX = 5x - 95$. Find x .



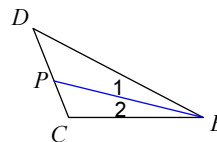
31

- 423) $m\angle 1 = 3x - 15$ and $m\angle YWX = 2x + 50$. Find x .



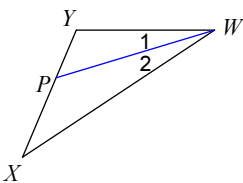
20

- 424) Find x if $m\angle 1 = 7x - 287$ and $m\angle DBC = 2x - 58$.



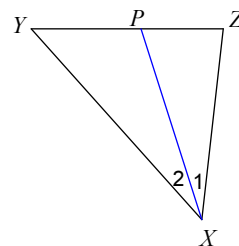
43

- 425) Find x if $m\angle 1 = 4x - 175$ and $m\angle YWX = x - 14$.



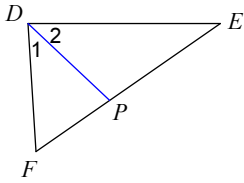
48

- 426) $m\angle 1 = 7x - 11$ and $m\angle 2 = 6x - 6$. Find x .



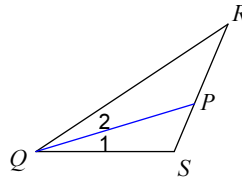
5

- 427) Find x if $m\angle 1 = 9x - 2$ and $m\angle FDE = 22x - 24$.



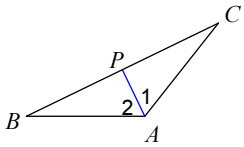
5

- 428) Find x if $m\angle 2 = 6x - 121$ and $m\angle 1 = x - 6$.



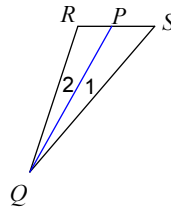
23

- 429) Find x if $m\angle 1 = x + 45$ and $m\angle 2 = 6x - 50$.



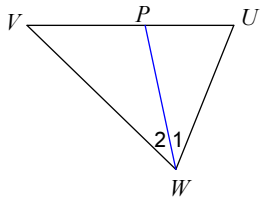
19

- 430) Find x if $m\angle 2 = 4x - 165$ and $m\angle 1 = 5x - 209$.



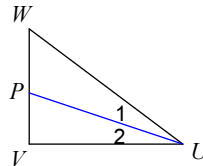
44

- 431) Find x if $m\angle 2 = 6x - 194$ and $m\angle 1 = 2x - 42$.



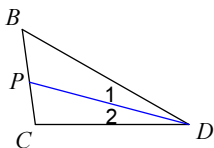
38

- 432) $m\angle 1 = 5x - 92$ and $m\angle WUV = 7x - 118$. Find x .



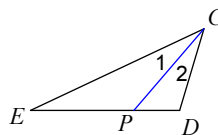
22

- 433) Find x if $m\angle 2 = x + 11$ and $m\angle 1 = 4x - 1$.



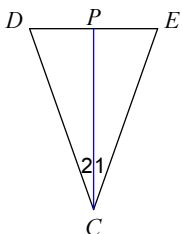
4

- 434) Find x if $m\angle 2 = 2x - 38$ and $m\angle ECD = 6x - 138$.



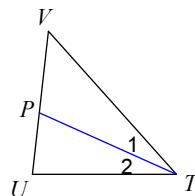
31

- 435) $m\angle 1 = 14x + 5$ and $m\angle ECD = 6 + 32x$. Find x .



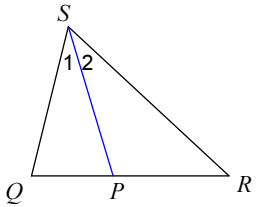
1

- 436) $m\angle 1 = 2x + 2$ and $m\angle VTU = 9x - 51$. Find x .



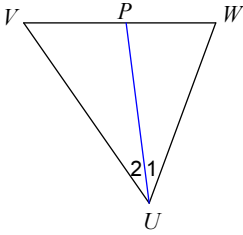
11

- 437) Find x if $m\angle 1 = 7x - 257$ and $m\angle QSR = 6x - 186$.



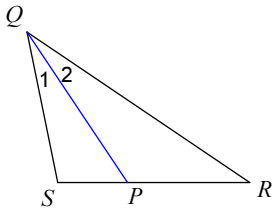
41

- 439) $m\angle 2 = 5x - 138$ and $m\angle WUV = 4x - 78$. Find x .



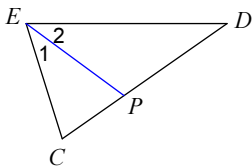
33

- 441) $m\angle 1 = 4x - 118$ and $m\angle 2 = x - 13$. Find x .



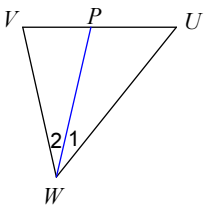
35

- 443) Find x if $m\angle 1 = 6x - 18$ and $m\angle CED = 4x + 36$.



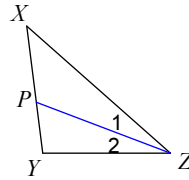
9

- 445) Find x if $m\angle 1 = x + 16$ and $m\angle 2 = -38 + 7x$.



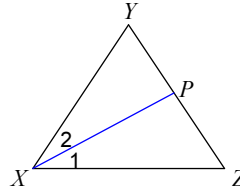
9

- 438) $m\angle 1 = -52 + 6x$ and $m\angle XZY = 6x - 32$. Find x .



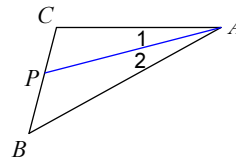
12

- 440) Find x if $m\angle 1 = 5x - 157$ and $m\angle ZXY = 4x - 92$.



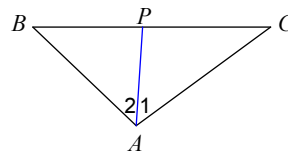
37

- 442) $m\angle 2 = 5x - 61$ and $m\angle CAB = 7x - 77$. Find x .



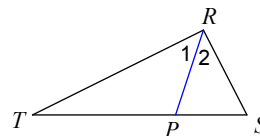
15

- 444) Find x if $m\angle 2 = 11x - 27$ and $m\angle 1 = 5x + 15$.



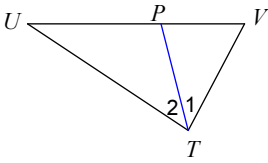
7

- 446) $m\angle 1 = 6x - 141$ and $m\angle 2 = x + 14$. Find x .



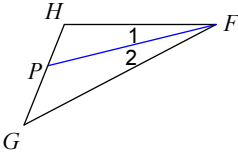
31

- 447) $m\angle 1 = 6x - 72$ and $m\angle 2 = 7x - 91$.
Find x .



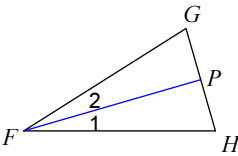
19

- 449) $m\angle 1 = x - 22$ and $m\angle 2 = 7x - 238$.
Find x .



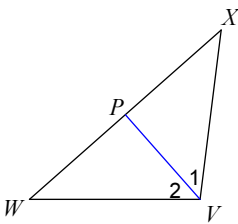
36

- 451) $m\angle 1 = 3x - 65$ and $m\angle 2 = 7x - 173$.
Find x .



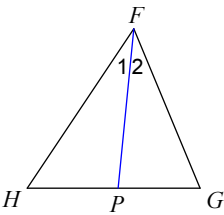
27

- 453) Find x if $m\angle 1 = 2x - 30$ and $m\angle 2 = -186 + 6x$.



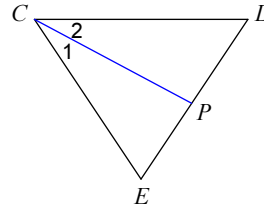
39

- 455) Find x if $m\angle 1 = 7x - 287$ and $m\angle 2 = 4x - 152$.



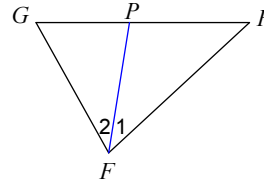
45

- 448) Find x if $m\angle 2 = 22x + 6$ and $m\angle 1 = 28x$.



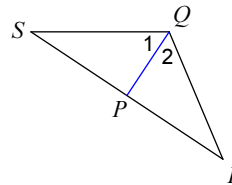
1

- 450) Find x if $m\angle 2 = 5x - 22$ and $m\angle HFG = x + 64$.



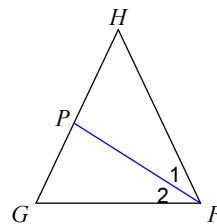
12

- 452) Find x if $m\angle 1 = x + 36$ and $m\angle SQR = 3x + 52$.



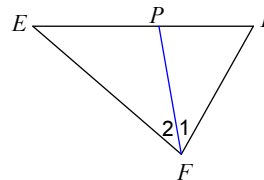
20

- 454) Find x if $m\angle 1 = 3x - 13$ and $m\angle 2 = 5x - 43$.



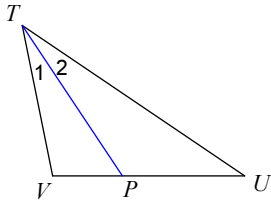
15

- 456) Find x if $m\angle 2 = 8x - 105$ and $m\angle DFE = 10x - 102$.



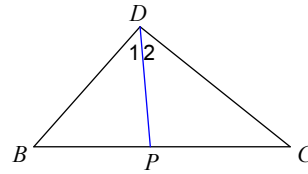
18

- 457) Find x if $m\angle 1 = 3x - 68$ and $m\angle 2 = -128 + 5x$.



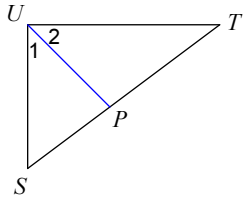
30

- 458) $m\angle 2 = 27x - 8$ and $m\angle BDC = 46x$. Find x .



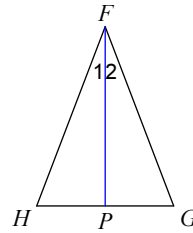
2

- 459) Find x if $m\angle 1 = x - 1$ and $m\angle 2 = 7x - 277$.



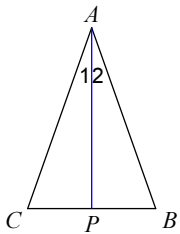
46

- 460) $m\angle 1 = 7x - 224$ and $m\angle 2 = 2x - 49$. Find x .



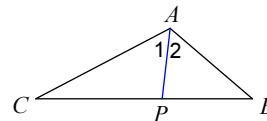
35

- 461) Find x if $m\angle 1 = x - 12$ and $m\angle 2 = 3x - 74$.



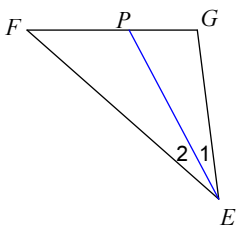
31

- 462) $m\angle 2 = 3x - 70$ and $m\angle 1 = 4x - 112$. Find x .



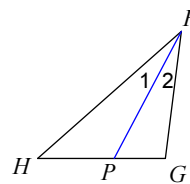
42

- 463) $m\angle 2 = x + 5$ and $m\angle GEF = 4x - 20$. Find x .



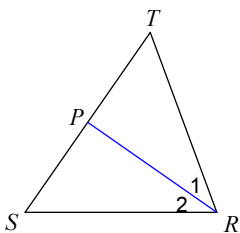
15

- 464) $m\angle 2 = 7x - 36$ and $m\angle HFG = 6x - 8$. Find x .



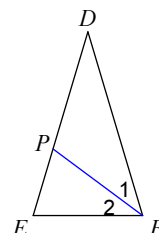
8

- 465) $m\angle 2 = 3x + 23$ and $m\angle TRS = 14x + 14$. Find x .



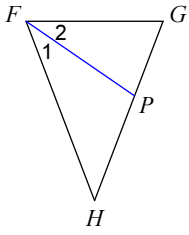
4

- 466) $m\angle 2 = 5x - 124$ and $m\angle 1 = -188 + 7x$. Find x .



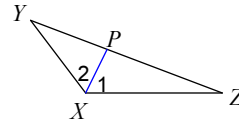
32

- 467) Find x if $m\angle 2 = 3x - 83$ and $m\angle 1 = 5x - 161$.



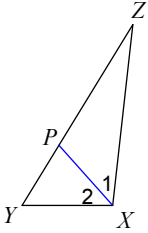
39

- 468) Find x if $m\angle 1 = x + 42$ and $m\angle ZXY = 5x + 21$.



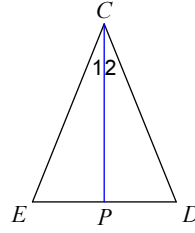
21

- 469) $m\angle 2 = 12x - 24$ and $m\angle 1 = 11x - 18$. Find x .



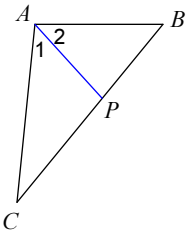
6

- 470) Find x if $m\angle 1 = 5x - 23$ and $m\angle ECD = -37 + 9x$.



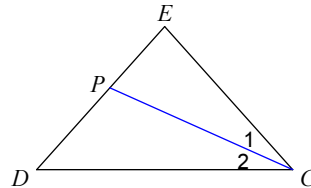
9

- 471) Find x if $m\angle 2 = 2x + 8$ and $m\angle CAB = 8x - 64$.



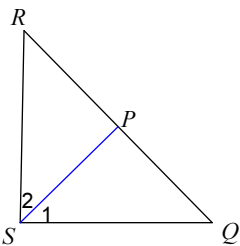
20

- 472) Find x if $m\angle 2 = 20x + 4$ and $m\angle ECD = 42x + 6$.



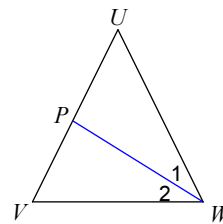
1

- 473) $m\angle 2 = x - 5$ and $m\angle QSR = 5x - 157$. Find x .



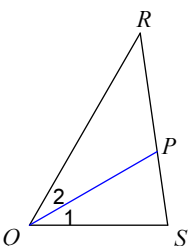
49

- 474) $m\angle 2 = -80 + 4x$ and $m\angle 1 = 6x - 136$. Find x .



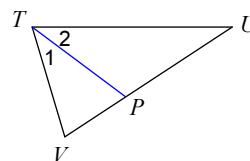
28

- 475) Find x if $m\angle 1 = 2x + 4$ and $m\angle 2 = x + 17$.



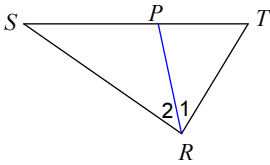
13

- 476) Find x if $m\angle 1 = 4x - 76$ and $m\angle VTU = 4x - 40$.



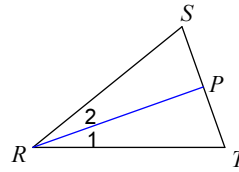
28

- 477) $m\angle 2 = 4x - 97$ and $m\angle 1 = 5x - 132$.
Find x .



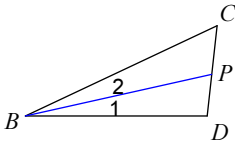
35

- 478) $m\angle 1 = 3 + x$ and $m\angle TRS = 8x - 90$.
Find x .



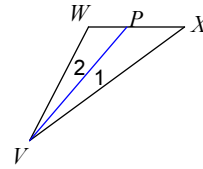
16

- 479) $m\angle 2 = 7x - 254$ and $m\angle DBC = 4x - 128$.
Find x .



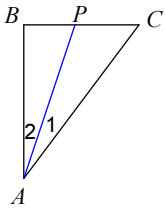
38

- 480) Find x if $m\angle 1 = 2x - 3$ and $m\angle XVW = -38 + 8x$.



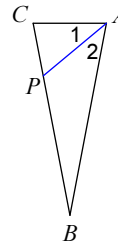
8

- 481) $m\angle 2 = 4x - 2$ and $m\angle CAB = 5x + 11$.
Find x .



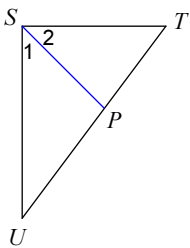
5

- 482) Find x if $m\angle 2 = 6x - 255$ and $m\angle 1 = x - 10$.



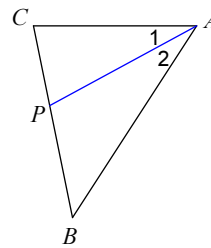
49

- 483) Find x if $m\angle 2 = 8x - 107$ and $m\angle 1 = 6x - 69$.



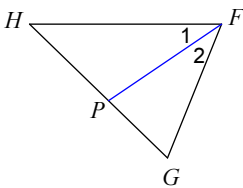
19

- 484) Find x if $m\angle 2 = 4x - 96$ and $m\angle CAB = 4x - 68$.



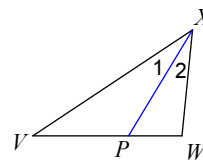
31

- 485) Find x if $m\angle 1 = -152 + 6x$ and $m\angle 2 = 2x - 28$.



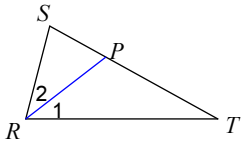
31

- 486) Find x if $m\angle 2 = 6x - 161$ and $m\angle VXXW = 6x - 136$.



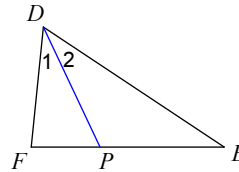
31

- 487) Find x if $m\angle 2 = 5x - 212$ and $m\angle 1 = x - 12$.



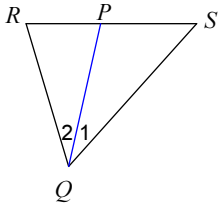
50

- 488) Find x if $m\angle 2 = 7x - 186$ and $m\angle 1 = 3x - 62$.



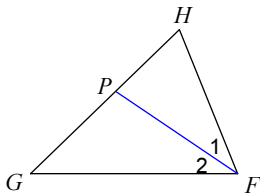
31

- 489) Find x if $m\angle 2 = 2x - 67$ and $m\angle SQR = 7x - 278$.



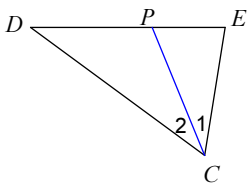
48

- 490) $m\angle 1 = 4x - 166$ and $m\angle HFG = -182 + 5x$.
Find x .



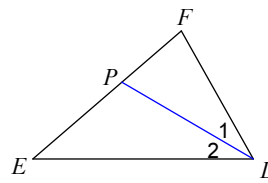
50

- 491) $m\angle 1 = 5x - 69$ and $m\angle 2 = 2x - 9$.
Find x .



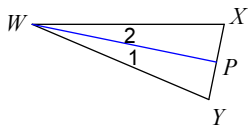
20

- 492) $m\angle 1 = 7x - 166$ and $m\angle FDE = 7x - 136$.
Find x .



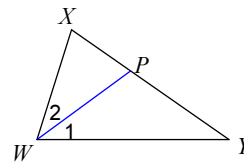
28

- 493) Find x if $m\angle 1 = 5x - 34$ and $m\angle 2 = 2x - 7$.



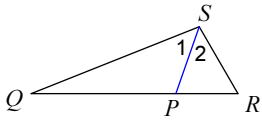
9

- 494) Find x if $m\angle 2 = 7x - 139$ and $m\angle YWX = 6x - 78$.



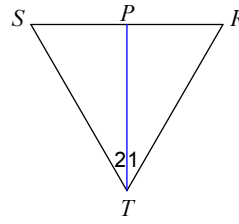
25

- 495) $m\angle 2 = 3x - 62$ and $m\angle 1 = 5x - 136$.
Find x .



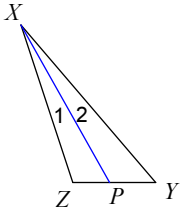
37

- 496) Find x if $m\angle 2 = -131 + 7x$ and $m\angle RTS = 4x - 32$.



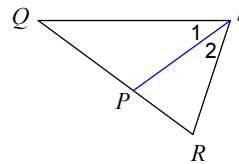
23

- 497) $m\angle 1 = 7x - 10$ and $m\angle ZXY = 2x + 16$.
Find x .



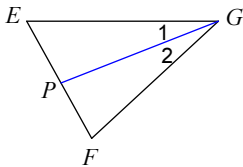
3

- 498) Find x if $m\angle 2 = 38x - 2$ and $m\angle 1 = 32x + 4$.



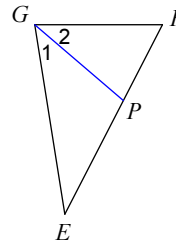
1

- 499) Find x if $m\angle 1 = x - 7$ and $m\angle 2 = 3x - 63$.



28

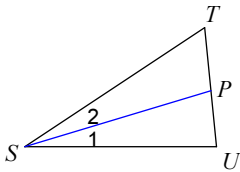
- 500) Find x if $m\angle 1 = 5x - 160$ and $m\angle EGF = 5x - 120$.



40

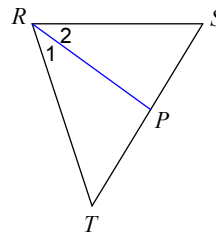
Find measurement by solving for x :

- 501) $m\angle 1 = 9 + x$ and $m\angle 2 = 3x - 7$.
Find $m\angle UST$.



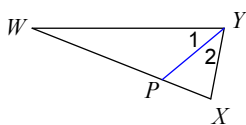
34°

- 502) Find $m\angle 2$ if $m\angle 1 = 5x + 1$ and $m\angle 2 = 4x + 8$.



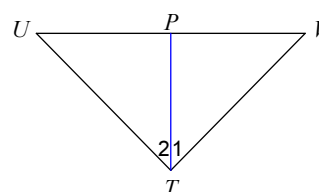
36°

- 503) $m\angle 2 = 7x + 4$ and $m\angle 1 = 8x - 1$.
Find $m\angle 1$.



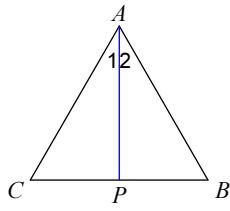
39°

- 504) Find $m\angle VTU$ if $m\angle 1 = 13x + 5$ and $m\angle VTU = 29x + 1$.



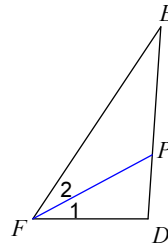
88°

- 505) Find $m\angle 2$ if $m\angle 2 = 31x - 1$ and $m\angle CAB = 61x - 1$.



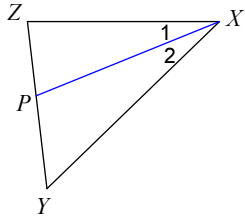
30°

- 506) $m\angle 1 = -7 + 5x$ and $m\angle 2 = 3x + 7$. Find $m\angle DFE$.



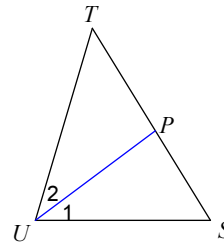
56°

- 507) $m\angle 1 = 4x + 2$ and $m\angle 2 = 3x + 7$. Find $m\angle 2$.



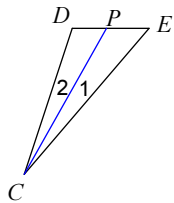
22°

- 508) Find $m\angle 2$ if $m\angle 2 = 7x + 1$ and $m\angle 1 = 8x - 4$.



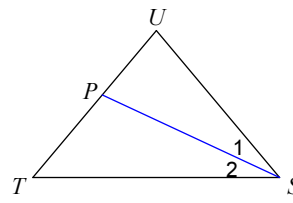
36°

- 509) $m\angle 2 = 5x + 1$ and $m\angle 1 = 3 + 4x$. Find $m\angle 1$.



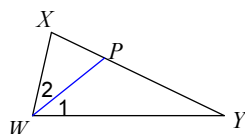
11°

- 510) Find $m\angle 1$ if $m\angle 1 = 2x + 11$ and $m\angle UST = 8 + 6x$.



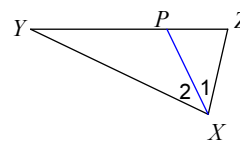
25°

- 511) $m\angle 2 = 13x - 1$ and $m\angle YWX = 25x + 1$. Find $m\angle YWX$.



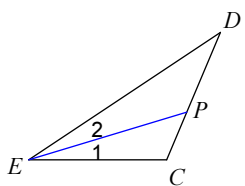
76°

- 512) $m\angle 2 = 12x + 2$ and $m\angle ZXY = 26x - 2$. Find $m\angle 2$.



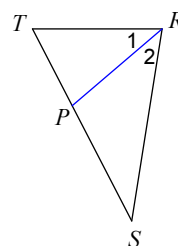
38°

- 513) Find $m\angle 2$ if $m\angle 2 = 4x + 5$ and $m\angle CED = 12x - 2$.



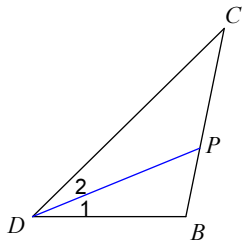
17°

- 514) Find $m\angle 2$ if $m\angle 1 = 10x$ and $m\angle 2 = 11x - 4$.



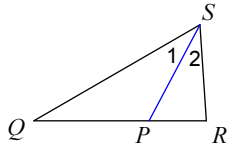
40°

- 515) Find $m\angle BDC$ if $m\angle 2 = 7x + 1$ and $m\angle BDC = 13x + 5$.



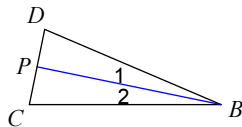
44°

- 517) Find $m\angle QSR$ if $m\angle 1 = 33x - 1$ and $m\angle QSR = 65x - 1$.



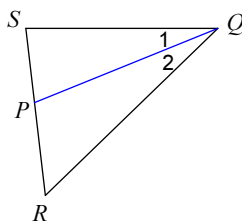
64°

- 519) $m\angle 2 = 6x - 1$ and $m\angle 1 = 3 + 4x$. Find $m\angle DBC$.



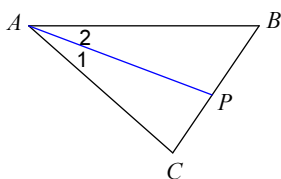
22°

- 521) Find $m\angle SQR$ if $m\angle 1 = 3x - 2$ and $m\angle SQR = 4x + 12$.



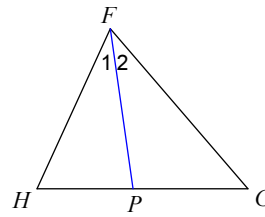
44°

- 523) Find $m\angle CAB$ if $m\angle 1 = 3x - 4$ and $m\angle 2 = x + 12$.



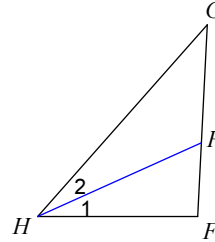
40°

- 516) Find $m\angle HFG$ if $m\angle 2 = 8 + 3x$ and $m\angle HFG = 7x + 8$.



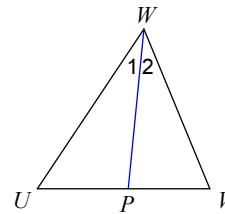
64°

- 518) $m\angle 2 = -8 + 4x$ and $m\angle FHG = 7x - 8$. Find $m\angle 1$.



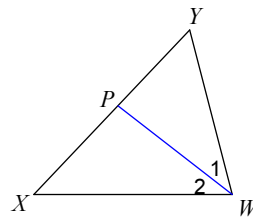
24°

- 520) $m\angle 2 = 15x - 2$ and $m\angle UWW = 28x$. Find $m\angle UWW$.



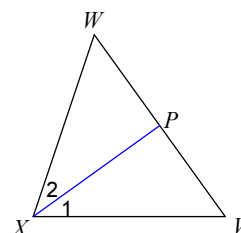
56°

- 522) $m\angle 2 = 7x + 3$ and $m\angle 1 = 8x - 2$. Find $m\angle 1$.



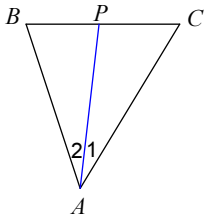
38°

- 524) Find $m\angle 2$ if $m\angle 1 = 7x + 7$ and $m\angle VXW = 6 + 16x$.



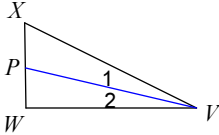
35°

- 525) Find $m\angle 1$ if $m\angle 2 = 12x$ and $m\angle 1 = 13x - 2$.



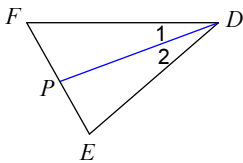
24°

- 527) $m\angle 2 = 4x + 1$ and $m\angle 1 = 3x + 4$. Find $m\angle XVW$.



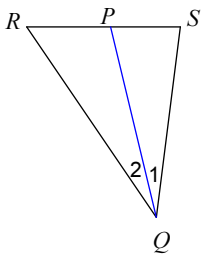
26°

- 529) Find $m\angle 2$ if $m\angle 2 = 3x - 4$ and $m\angle 1 = x + 12$.



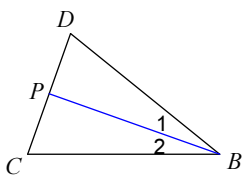
20°

- 531) $m\angle 2 = 2x + 8$ and $m\angle SQR = 5x + 10$. Find $m\angle 2$.



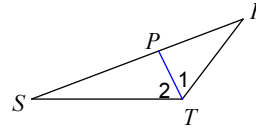
20°

- 533) Find $m\angle 2$ if $m\angle 1 = 9x + 1$ and $m\angle DBC = 19x$.



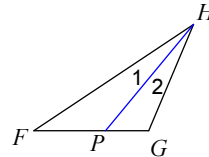
19°

- 526) $m\angle 1 = -3 + 11x$ and $m\angle 2 = 9x + 9$. Find $m\angle 1$.



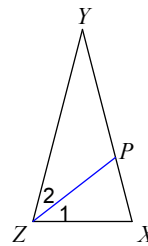
63°

- 528) Find $m\angle FHG$ if $m\angle 1 = -3 + 4x$ and $m\angle FHG = 5x + 9$.



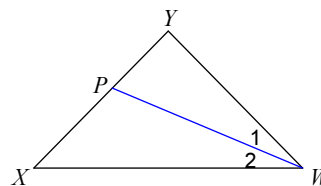
34°

- 530) Find $m\angle XZY$ if $m\angle 1 = -1 + 39x$ and $m\angle 2 = 38x$.



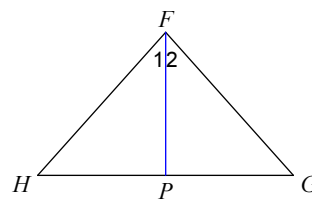
76°

- 532) Find $m\angle 2$ if $m\angle 2 = 8x - 1$ and $m\angle YWX = 14x + 4$.



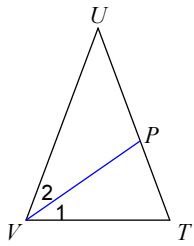
23°

- 534) Find $m\angle 1$ if $m\angle 2 = 4x + 10$ and $m\angle HFG = 10x + 4$.



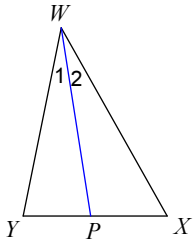
42°

- 535) Find $m\angle TVU$ if $m\angle 1 = 10x + 5$ and $m\angle 2 = 2 + 11x$.



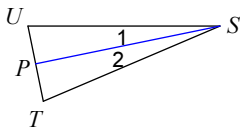
70°

- 537) $m\angle 1 = 21x - 1$ and $m\angle 2 = 20x$. Find $m\angle 2$.



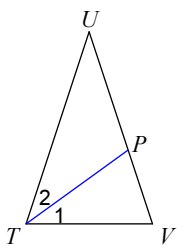
20°

- 539) $m\angle 1 = x + 5$ and $m\angle UST = 3x + 4$. Find $m\angle UST$.



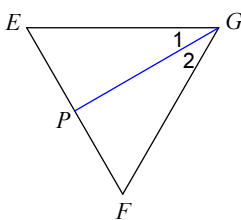
22°

- 541) $m\angle 2 = 19x - 2$ and $m\angle VTU = 35x + 2$. Find $m\angle 1$.



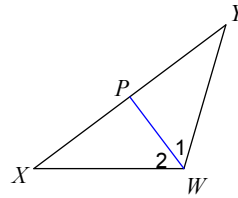
36°

- 543) Find $m\angle EGF$ if $m\angle 1 = 4x - 2$ and $m\angle 2 = 3x + 6$.



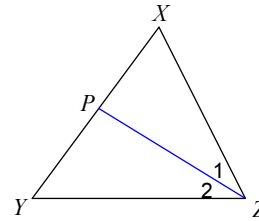
60°

- 536) $m\angle 1 = 12x + 5$ and $m\angle 2 = 13x + 1$. Find $m\angle YWX$.



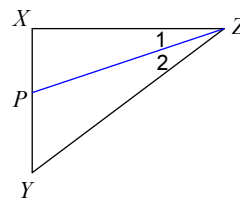
106°

- 538) $m\angle 1 = 15x + 1$ and $m\angle 2 = 14x + 3$. Find $m\angle 2$.



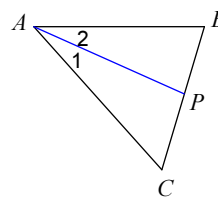
31°

- 540) Find $m\angle 1$ if $m\angle 1 = 19x - 1$ and $m\angle XZY = 37x - 1$.



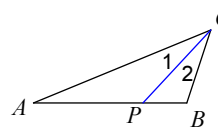
18°

- 542) $m\angle 1 = 12x$ and $m\angle CAB = 25x - 2$. Find $m\angle CAB$.



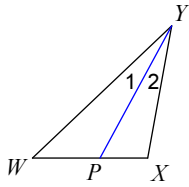
48°

- 544) $m\angle 1 = 7x + 3$ and $m\angle 2 = 9x - 3$. Find $m\angle 2$.



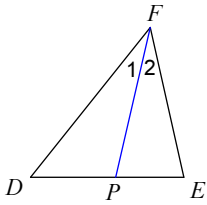
24°

- 545) $m\angle 2 = -6 + 4x$ and $m\angle 1 = 3x$.
Find $m\angle WYX$.



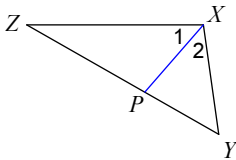
36°

- 547) Find $m\angle 2$ if $m\angle 2 = 24x + 1$ and $m\angle 1 = 25x$.



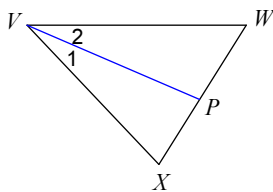
25°

- 549) Find $m\angle ZXY$ if $m\angle 2 = 8x + 9$ and $m\angle ZXY = 18x + 8$.



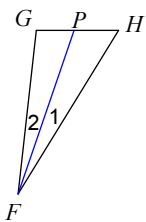
98°

- 551) Find $m\angle XVW$ if $m\angle 1 = -1 + 6x$ and $m\angle 2 = 7 + 4x$.



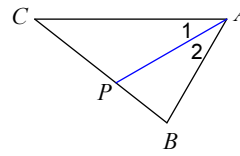
46°

- 553) Find $m\angle 1$ if $m\angle 1 = 13x - 1$ and $m\angle 2 = 12x$.



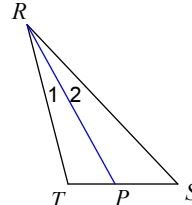
12°

- 546) $m\angle 1 = 5x - 5$ and $m\angle CAB = 8x + 4$.
Find $m\angle CAB$.



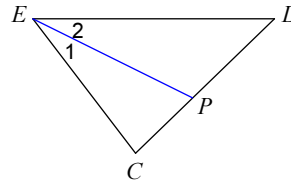
60°

- 548) $m\angle 2 = 2x - 2$ and $m\angle TRS = 3x + 4$.
Find $m\angle TRS$.



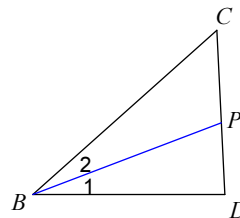
28°

- 550) Find $m\angle CED$ if $m\angle 1 = 2 + 12x$ and $m\angle CED = -2 + 27x$.



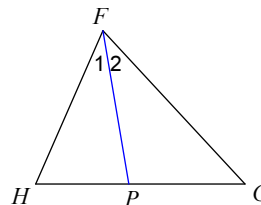
52°

- 552) $m\angle 1 = 2x + 9$ and $m\angle 2 = 4x - 3$.
Find $m\angle 2$.



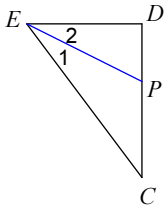
21°

- 554) $m\angle 2 = 6x - 3$ and $m\angle HFG = 10x + 6$.
Find $m\angle HFG$.



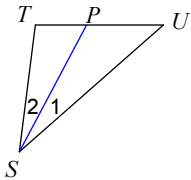
66°

- 555) Find $m\angle 2$ if $m\angle 1 = 4x + 6$ and $m\angle 2 = 1 + 5x$.



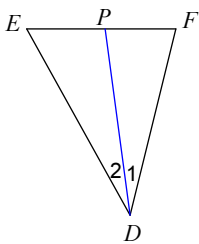
26°

- 557) $m\angle 2 = 5x$ and $m\angle UST = 11x - 4$. Find $m\angle UST$.



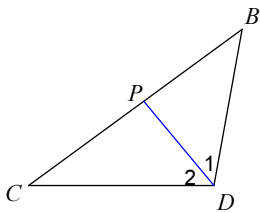
40°

- 559) Find $m\angle FDE$ if $m\angle 1 = 2x + 7$ and $m\angle 2 = 4x - 7$.



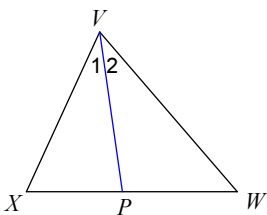
42°

- 561) $m\angle 1 = 25x$ and $m\angle 2 = 26x - 2$. Find $m\angle 2$.



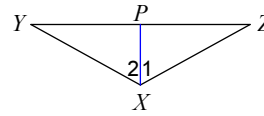
50°

- 563) $m\angle 1 = 33x - 1$ and $m\angle XVW = 64x$. Find $m\angle XVW$.



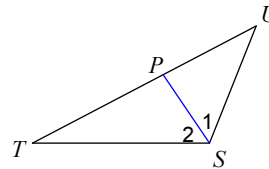
64°

- 556) Find $m\angle ZXY$ if $m\angle 2 = 12x + 1$ and $m\angle 1 = 13x - 4$.



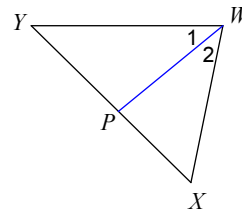
122°

- 558) $m\angle 1 = 8x + 8$ and $m\angle UST = 19x - 2$. Find $m\angle 1$.



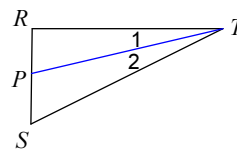
56°

- 560) $m\angle 1 = 8x - 1$ and $m\angle YWX = 15x + 3$. Find $m\angle YWX$.



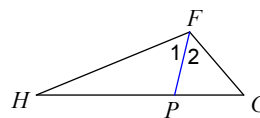
78°

- 562) Find $m\angle RTS$ if $m\angle 2 = 2x - 1$ and $m\angle RTS = 3x + 5$.



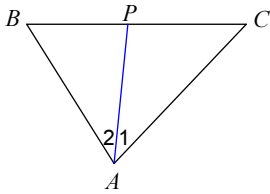
26°

- 564) $m\angle 1 = 17x + 3$ and $m\angle 2 = 19x - 3$. Find $m\angle HFG$.



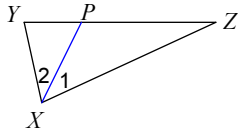
108°

- 565) $m\angle 2 = 18x + 2$ and $m\angle CAB = 38x$.
Find $m\angle 2$.



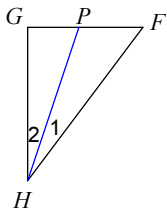
38°

- 567) Find $m\angle ZXY$ if $m\angle 1 = 4x + 11$ and $m\angle ZXY = 10x + 8$.



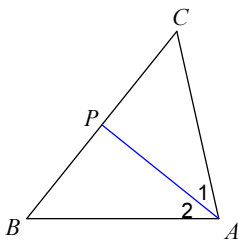
78°

- 569) Find $m\angle FHG$ if $m\angle 2 = 5x + 3$ and $m\angle FHG = 11x + 3$.



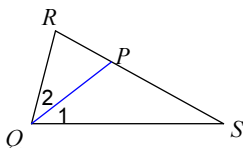
36°

- 571) Find $m\angle CAB$ if $m\angle 1 = 12x + 2$ and $m\angle 2 = 11x + 5$.



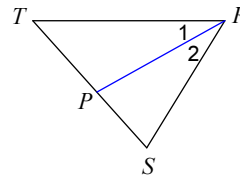
76°

- 573) Find $m\angle SQR$ if $m\angle 1 = 12x + 2$ and $m\angle 2 = 11x + 5$.



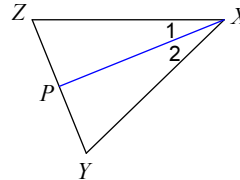
76°

- 566) Find $m\angle TRS$ if $m\angle 1 = 6x - 1$ and $m\angle TRS = 11x + 3$.



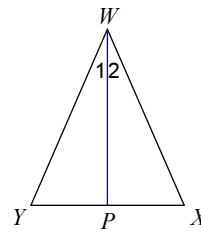
58°

- 568) Find $m\angle 2$ if $m\angle 2 = 2x + 10$ and $m\angle ZXY = 8x - 4$.



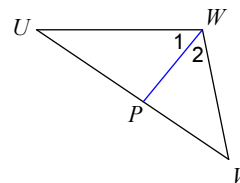
22°

- 570) Find $m\angle 2$ if $m\angle 2 = -1 + 24x$ and $m\angle 1 = 23x$.



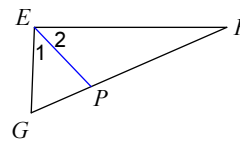
23°

- 572) Find $m\angle UWV$ if $m\angle 1 = 7x + 2$ and $m\angle 2 = 8x - 5$.



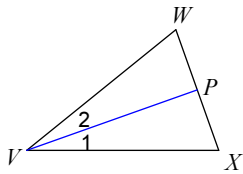
102°

- 574) Find $m\angle 1$ if $m\angle 2 = 14x + 4$ and $m\angle GEF = 29x + 5$.



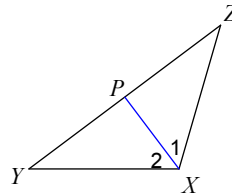
46°

- 575) Find $m\angle 1$ if $m\angle 2 = 3x + 7$ and $m\angle XVW = 10x - 2$.



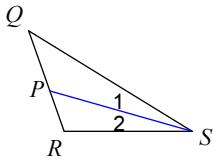
19°

- 576) $m\angle 1 = 13 + 5x$ and $m\angle ZXY = 12x + 10$. Find $m\angle ZXY$.



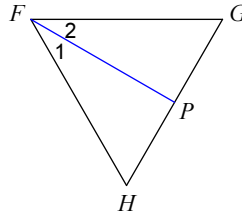
106°

- 577) $m\angle 1 = 4x - 4$ and $m\angle QSR = 6x + 2$. Find $m\angle 2$.



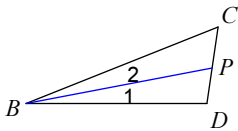
16°

- 578) $m\angle 2 = -2 + 8x$ and $m\angle 1 = 7x + 2$. Find $m\angle 1$.



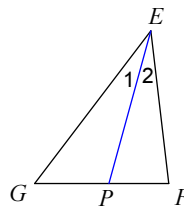
30°

- 579) $m\angle 2 = 11x$ and $m\angle 1 = 10x + 1$. Find $m\angle DBC$.



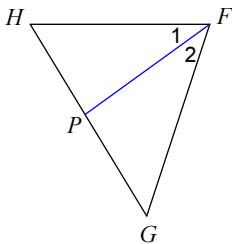
22°

- 580) Find $m\angle GEF$ if $m\angle 2 = 11x$ and $m\angle GEF = 23x - 2$.



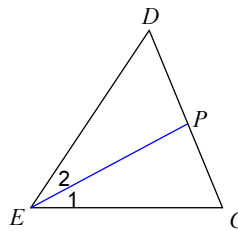
44°

- 581) $m\angle 2 = 5x + 1$ and $m\angle HFG = 9x + 9$. Find $m\angle HFG$.



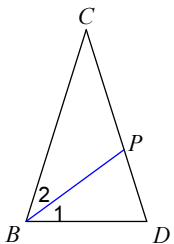
72°

- 582) $m\angle 1 = 3x + 7$ and $m\angle CED = 8x$. Find $m\angle 2$.



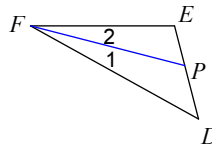
28°

- 583) Find $m\angle 2$ if $m\angle 2 = 10x - 4$ and $m\angle 1 = 4 + 8x$.



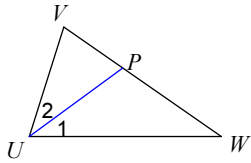
36°

- 584) $m\angle 1 = 15x - 1$ and $m\angle 2 = 13x + 1$. Find $m\angle 1$.



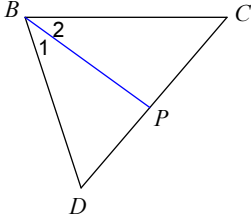
14°

- 585) Find $m\angle 1$ if $m\angle 2 = 37x - 1$ and $m\angle 1 = 35x + 1$.



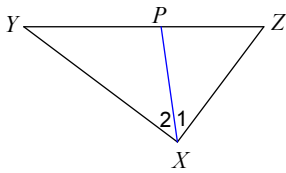
36°

- 587) Find $m\angle DBC$ if $m\angle 1 = -2 + 19x$ and $m\angle 2 = 18x$.



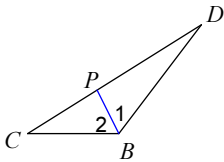
72°

- 589) $m\angle 1 = 21x + 3$ and $m\angle ZXY = 45x$. Find $m\angle ZXY$.



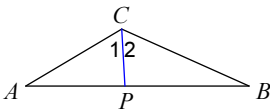
90°

- 591) Find $m\angle DBC$ if $m\angle 1 = -1 + 16x$ and $m\angle 2 = 15x + 3$.



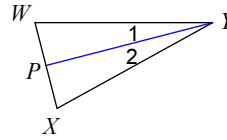
126°

- 593) Find $m\angle ACB$ if $m\angle 2 = 15x + 2$ and $m\angle 1 = 14x + 6$.



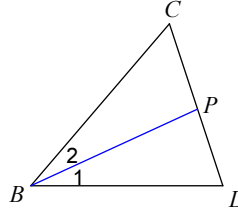
124°

- 586) $m\angle 1 = 2x + 6$ and $m\angle WYX = 8x - 4$. Find $m\angle 2$.



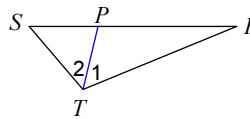
14°

- 588) $m\angle 2 = 8x$ and $m\angle 1 = -3 + 9x$. Find $m\angle DBC$.



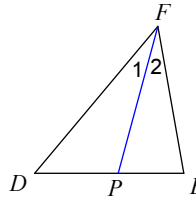
48°

- 590) $m\angle 2 = 10x + 4$ and $m\angle 1 = 11x - 1$. Find $m\angle RTS$.



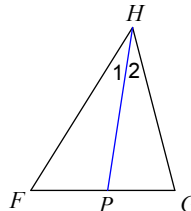
108°

- 592) $m\angle 1 = 6x + 1$ and $m\angle 2 = 7x - 3$. Find $m\angle DFE$.



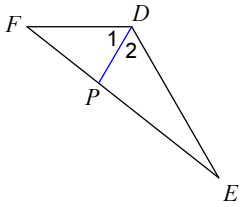
50°

- 594) $m\angle 1 = 2x + 9$ and $m\angle FHG = 6x + 4$. Find $m\angle 2$.



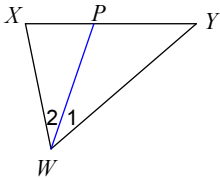
23°

- 595) Find $m\angle FDE$ if $m\angle 2 = 61x - 1$ and $m\angle FDE = 119x + 1$.



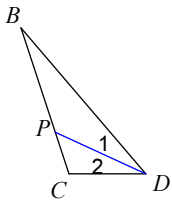
120°

- 597) Find $m\angle 2$ if $m\angle 2 = 7x - 5$ and $m\angle 1 = 6x$.



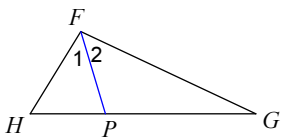
30°

- 599) $m\angle 1 = 7x - 4$ and $m\angle BDC = 11x + 4$. Find $m\angle BDC$.



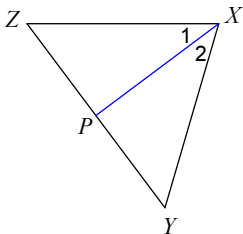
48°

- 601) Find $m\angle HFG$ if $m\angle 1 = 5x - 7$ and $m\angle HFG = 8x + 8$.



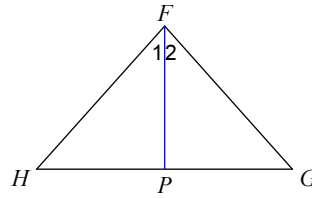
96°

- 603) Find $m\angle 2$ if $m\angle 1 = 4x + 1$ and $m\angle ZXY = 7x + 11$.



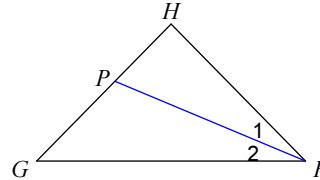
37°

- 596) Find $m\angle HFG$ if $m\angle 2 = 9x + 6$ and $m\angle 1 = 10x + 2$.



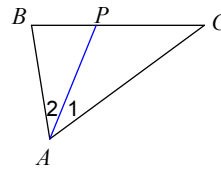
84°

- 598) $m\angle 1 = 2x + 11$ and $m\angle 2 = 3x + 5$. Find $m\angle 1$.



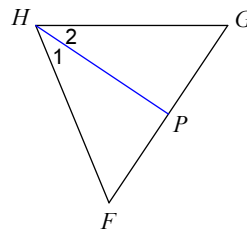
23°

- 600) $m\angle 1 = 8x - 1$ and $m\angle 2 = 6x + 7$. Find $m\angle 2$.



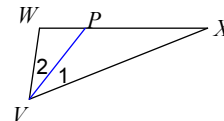
31°

- 602) Find $m\angle FHG$ if $m\angle 1 = 3x - 3$ and $m\angle FHG = 5x + 6$.



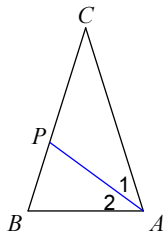
66°

- 604) Find $m\angle 1$ if $m\angle 1 = 14x + 2$ and $m\angle XVW = 30x$.



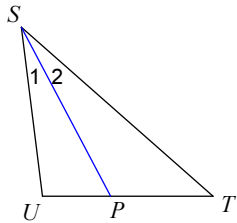
30°

- 605) $m\angle 1 = x + 22$ and $m\angle 2 = 3x - 6$.
Find $m\angle 1$.



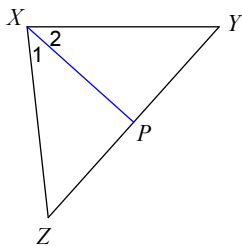
36°

- 607) Find $m\angle 2$ if $m\angle 1 = 2x + 6$ and $m\angle 2 = 3x - 1$.



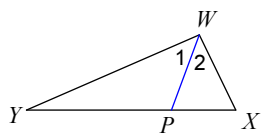
20°

- 609) Find $m\angle 2$ if $m\angle 2 = 7x - 7$ and $m\angle 1 = 6x$.



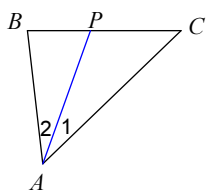
42°

- 611) Find $m\angle 1$ if $m\angle 2 = 22x + 2$ and $m\angle 1 = 24x - 2$.



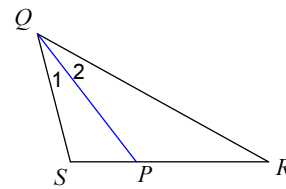
46°

- 613) $m\angle 2 = 6x - 4$ and $m\angle 1 = 4x + 6$.
Find $m\angle 1$.



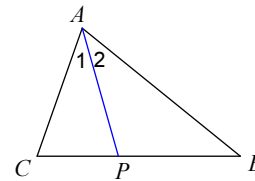
26°

- 606) Find $m\angle SQR$ if $m\angle 2 = x + 14$ and $m\angle 1 = 3x - 4$.



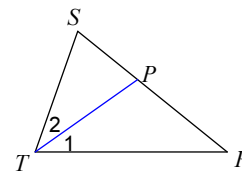
46°

- 608) Find $m\angle 1$ if $m\angle 1 = 34x + 1$ and $m\angle 2 = 36x - 1$.



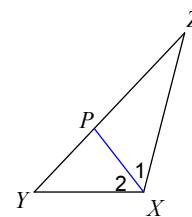
35°

- 610) Find $m\angle 1$ if $m\angle 2 = 7x + 7$ and $m\angle 1 = 9x - 1$.



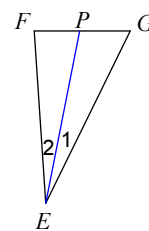
35°

- 612) Find $m\angle ZXY$ if $m\angle 1 = 5x + 12$ and $m\angle ZXY = 14x - 8$.



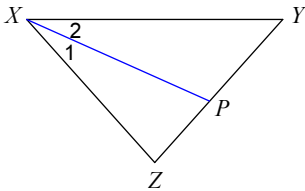
104°

- 614) $m\angle 2 = 2x - 1$ and $m\angle GEF = 2x + 14$.
Find $m\angle 2$.



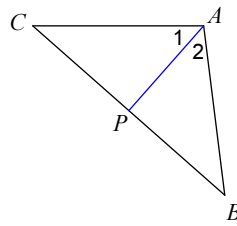
15°

- 615) Find $m\angle ZXY$ if $m\angle 2 = 4x$ and $m\angle 1 = 5x - 6$.



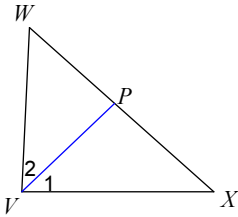
48°

- 616) Find $m\angle CAB$ if $m\angle 2 = 23x + 2$ and $m\angle CAB = 47x + 2$.



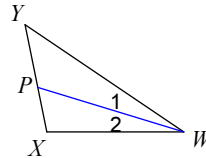
96°

- 617) $m\angle 1 = 3x + 7$ and $m\angle 2 = 2x + 19$. Find $m\angle XVW$.



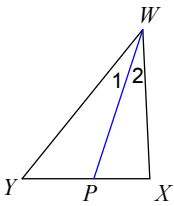
86°

- 618) $m\angle 1 = 2x - 3$ and $m\angle YWX = 3x + 4$. Find $m\angle 2$.



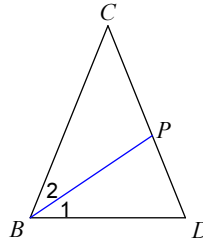
17°

- 619) Find $m\angle YWX$ if $m\angle 2 = 3x - 9$ and $m\angle 1 = 2x + 1$.



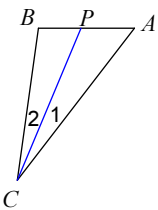
42°

- 620) $m\angle 1 = 4 + 10x$ and $m\angle DBC = 22x + 2$. Find $m\angle DBC$.



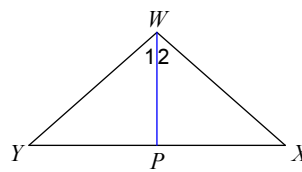
68°

- 621) $m\angle 1 = 4 + x$ and $m\angle ACB = x + 19$. Find $m\angle ACB$.



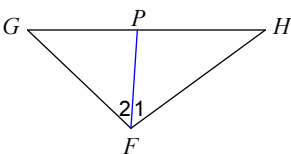
30°

- 622) Find $m\angle YWX$ if $m\angle 1 = 49x - 1$ and $m\angle YWX = 96x$.



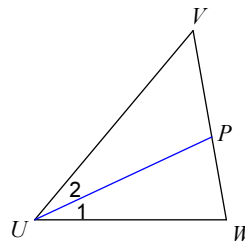
96°

- 623) Find $m\angle HFG$ if $m\angle 1 = 8x - 6$ and $m\angle HFG = 13x + 9$.



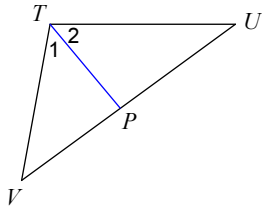
100°

- 624) $m\angle 1 = 3x + 4$ and $m\angle 2 = -3 + 4x$. Find $m\angle 2$.



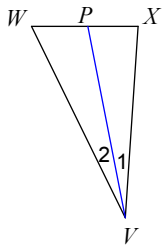
25°

- 625) $m\angle 2 = 51x - 1$ and $m\angle 1 = 50x$.
Find $m\angle VTU$.



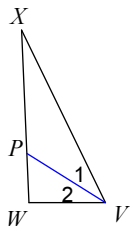
100°

- 627) $m\angle 1 = 16x - 1$ and $m\angle 2 = 15x$.
Find $m\angle 2$.



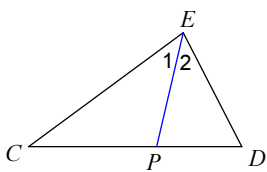
15°

- 629) Find $m\angle XVW$ if $m\angle 2 = 4x + 4$ and $m\angle XVW = 10x - 6$.



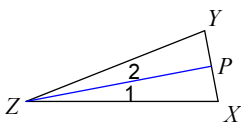
64°

- 631) Find $m\angle 2$ if $m\angle 2 = 2x + 18$ and $m\angle 1 = 4x - 4$.



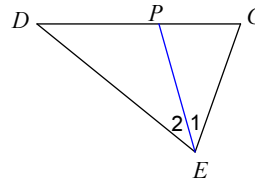
40°

- 633) $m\angle 1 = 2x - 13$ and $m\angle 2 = x - 1$.
Find $m\angle XZY$.



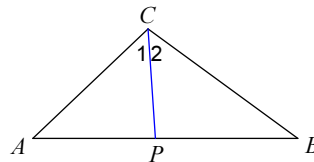
22°

- 626) $m\angle 1 = 4x + 11$ and $m\angle 2 = 5x + 5$.
Find $m\angle CED$.



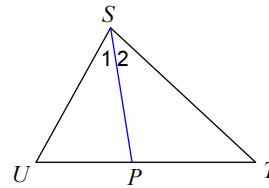
70°

- 628) $m\angle 1 = 4x + 14$ and $m\angle 2 = 6x - 4$.
Find $m\angle 2$.



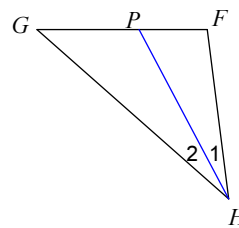
50°

- 630) $m\angle 1 = 5 + 11x$ and $m\angle 2 = 13x - 1$.
Find $m\angle 2$.



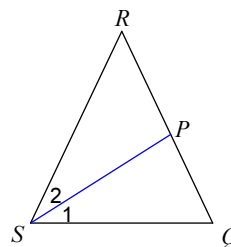
38°

- 632) $m\angle 1 = 3x + 5$ and $m\angle 2 = 4x$.
Find $m\angle 1$.



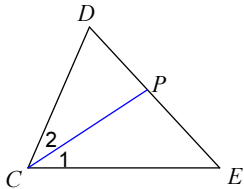
20°

- 634) $m\angle 1 = 3x - 4$ and $m\angle 2 = 2x + 8$.
Find $m\angle QSR$.



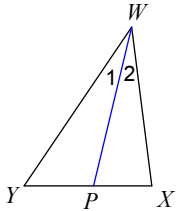
64°

- 635) Find $m\angle ECD$ if $m\angle 2 = 5x - 2$ and $m\angle ECD = 8x + 10$.



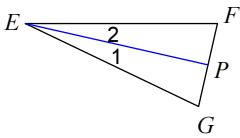
66°

- 637) Find $m\angle YWX$ if $m\angle 2 = 4x - 4$ and $m\angle 1 = 2 + 3x$.



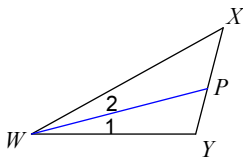
40°

- 639) Find $m\angle GEF$ if $m\angle 2 = 2x - 1$ and $m\angle 1 = x + 6$.



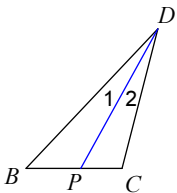
26°

- 641) Find $m\angle 2$ if $m\angle 1 = 2x + 2$ and $m\angle 2 = x + 8$.



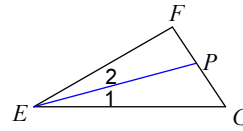
14°

- 643) $m\angle 1 = x + 3$ and $m\angle BDC = 3x - 5$. Find $m\angle 1$.



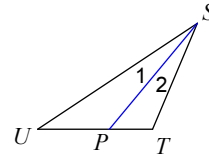
14°

- 636) Find $m\angle 1$ if $m\angle 1 = 6x - 3$ and $m\angle GEF = 11x - 3$.



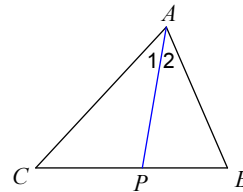
15°

- 638) Find $m\angle UST$ if $m\angle 2 = 2x - 5$ and $m\angle UST = 2x + 12$.



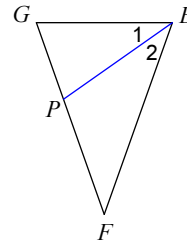
34°

- 640) $m\angle 2 = 2x + 15$ and $m\angle CAB = 8x - 6$. Find $m\angle CAB$.



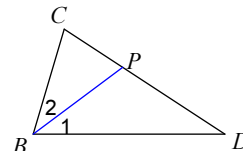
66°

- 642) $m\angle 2 = -1 + 12x$ and $m\angle 1 = 11x + 2$. Find $m\angle GEF$.



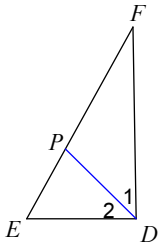
70°

- 644) $m\angle 1 = 6 + 5x$ and $m\angle DBC = 11x + 6$. Find $m\angle DBC$.



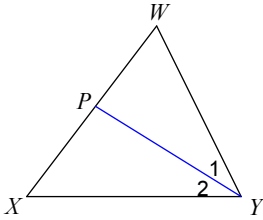
72°

- 645) Find $m\angle 2$ if $m\angle 1 = 45x - 1$ and $m\angle 2 = 43x + 1$.



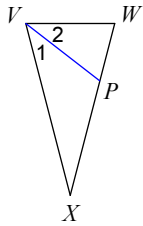
44°

- 647) $m\angle 1 = 4x - 8$ and $m\angle 2 = 3x + 2$. Find $m\angle WYX$.



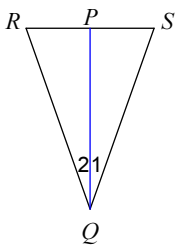
64°

- 649) $m\angle 2 = 6x - 4$ and $m\angle XVW = -1 + 11x$. Find $m\angle XVW$.



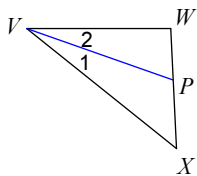
76°

- 651) $m\angle 2 = 2x - 1$ and $m\angle 1 = 9 + x$. Find $m\angle 1$.



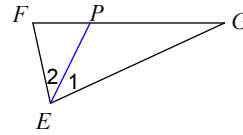
19°

- 653) $m\angle 2 = 2x + 9$ and $m\angle 1 = 3x + 4$. Find $m\angle XVW$.



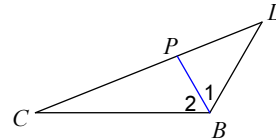
38°

- 646) $m\angle 1 = 6x + 9$ and $m\angle GEF = 15x + 3$. Find $m\angle 1$.



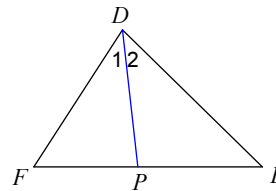
39°

- 648) $m\angle 1 = 12x$ and $m\angle 2 = 5 + 11x$. Find $m\angle 1$.



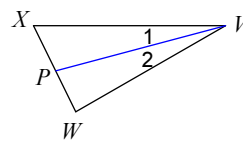
60°

- 650) Find $m\angle 1$ if $m\angle 2 = 6x + 9$ and $m\angle 1 = 7x + 4$.



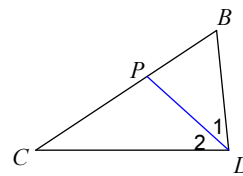
39°

- 652) Find $m\angle XVW$ if $m\angle 2 = x + 6$ and $m\angle 1 = 2x - 3$.



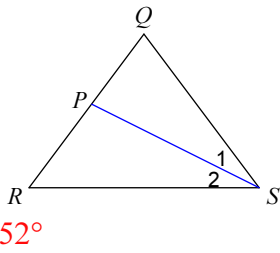
30°

- 654) $m\angle 2 = 3x + 15$ and $m\angle BDC = 8x + 12$. Find $m\angle 1$.

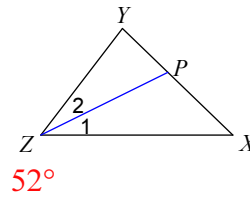


42°

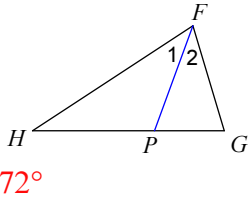
- 655) $m\angle 2 = -2 + 2x$ and $m\angle 1 = x + 12$.
Find $m\angle QSR$.



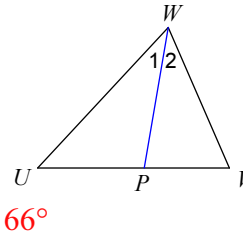
- 656) $m\angle 2 = x + 14$ and $m\angle 1 = 2x + 2$.
Find $m\angle XZY$.



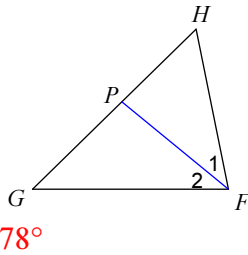
- 657) Find $m\angle HFG$ if $m\angle 1 = 4x - 4$ and $m\angle 2 = 2x + 16$.



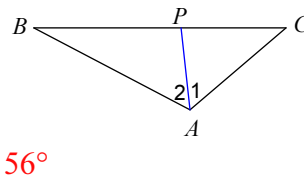
- 658) $m\angle 1 = 2x + 5$ and $m\angle 2 = x + 19$.
Find $m\angle UWV$.



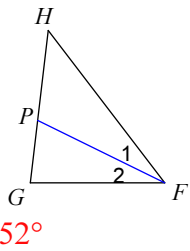
- 659) $m\angle 2 = 14x - 3$ and $m\angle 1 = 13x$.
Find $m\angle HFG$.



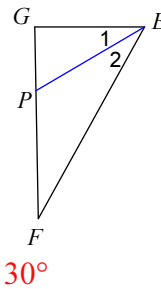
- 660) Find $m\angle 2$ if $m\angle 1 = 6x - 4$ and $m\angle CAB = 10x + 12$.



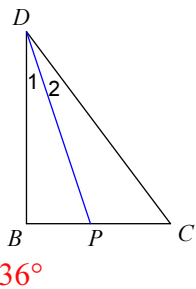
- 661) $m\angle 2 = 6x + 2$ and $m\angle 1 = 7x - 2$.
Find $m\angle HFG$.



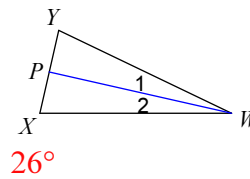
- 662) $m\angle 2 = 5x$ and $m\angle GEF = 9x + 6$.
Find $m\angle 2$.



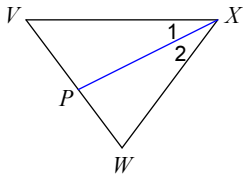
- 663) Find $m\angle BDC$ if $m\angle 2 = 19x - 1$ and $m\angle BDC = 35x + 1$.



- 664) Find $m\angle YWX$ if $m\angle 2 = 4x + 1$ and $m\angle YWX = 7x + 5$.

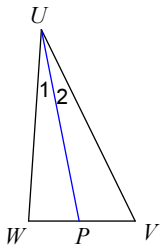


- 665) $m\angle 2 = -1 + 3x$ and $m\angle V\hat{X}W = 5x + 7$.
Find $m\angle V\hat{X}W$.



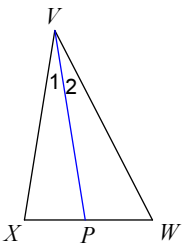
52°

- 667) $m\angle 2 = 4x + 3$ and $m\angle 1 = 5x$.
Find $m\angle WUV$.



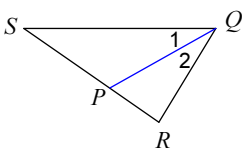
30°

- 669) Find $m\angle 1$ if $m\angle 1 = 2x - 8$ and
 $m\angle 2 = x + 5$.



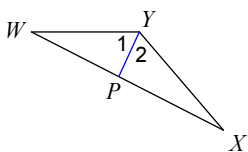
18°

- 671) Find $m\angle SQR$ if $m\angle 1 = 11 + 2x$ and
 $m\angle SQR = -5 + 7x$.



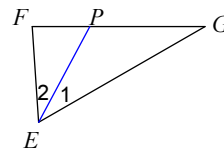
58°

- 673) Find $m\angle WYX$ if $m\angle 2 = 5x$ and
 $m\angle 1 = 6x - 13$.



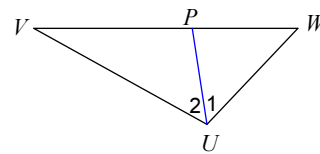
130°

- 666) Find $m\angle GEF$ if $m\angle 1 = 5x - 8$ and
 $m\angle 2 = 3x + 8$.



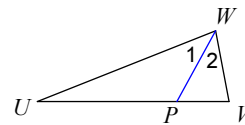
64°

- 668) Find $m\angle 2$ if $m\angle 2 = 13x$ and
 $m\angle 1 = 14x - 4$.



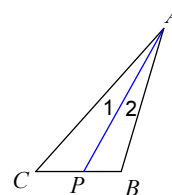
52°

- 670) Find $m\angle UWV$ if $m\angle 1 = 8x + 7$ and
 $m\angle 2 = 9x + 3$.



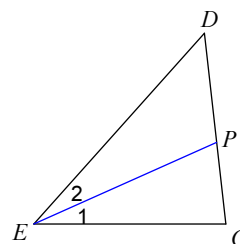
78°

- 672) Find $m\angle 1$ if $m\angle 2 = -6 + 3x$ and
 $m\angle 1 = 2x$.



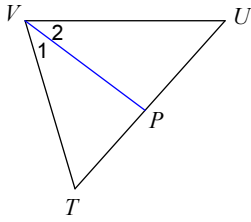
12°

- 674) Find $m\angle CED$ if $m\angle 1 = 4x + 4$ and
 $m\angle 2 = 5x - 1$.



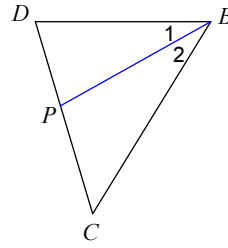
48°

- 675) $m\angle 2 = 4x + 4$ and $m\angle 1 = 3x + 12$.
Find $m\angle TVU$.



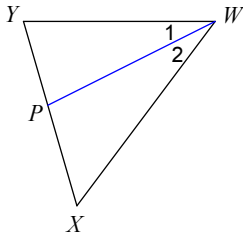
72°

- 676) $m\angle 1 = 2x + 7$ and $m\angle DBC = 6x - 8$.
Find $m\angle 1$.



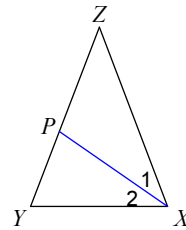
29°

- 677) $m\angle 1 = 2x$ and $m\angle 2 = 3x - 13$.
Find $m\angle 1$.



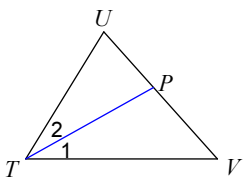
26°

- 678) $m\angle 2 = 35x - 1$ and $m\angle 1 = 34x$.
Find $m\angle 2$.



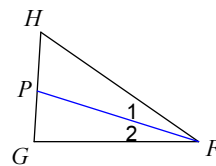
34°

- 679) $m\angle 1 = 3x - 10$ and $m\angle VTU = 4x + 6$.
Find $m\angle VTU$.



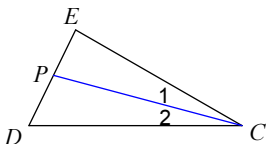
58°

- 680) $m\angle 1 = 5 + 3x$ and $m\angle HFG = 9x - 2$.
Find $m\angle HFG$.



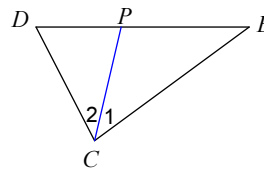
34°

- 681) Find $m\angle ECD$ if $m\angle 1 = 8x - 1$ and $m\angle ECD = 15x$.



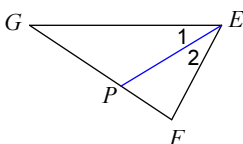
30°

- 682) Find $m\angle ECD$ if $m\angle 2 = 5x - 10$ and $m\angle 1 = 4x$.



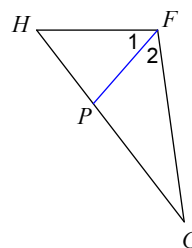
80°

- 683) Find $m\angle GEF$ if $m\angle 2 = x + 20$ and $m\angle 1 = 2x + 9$.



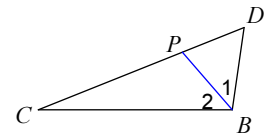
62°

- 684) Find $m\angle 1$ if $m\angle 1 = 5x - 6$ and $m\angle HFG = 7x + 21$.



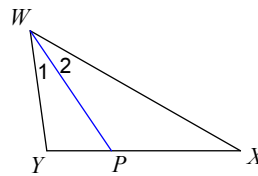
49°

- 685) $m\angle 2 = 6x + 7$ and $m\angle 1 = 8x - 7$.
Find $m\angle DBC$.



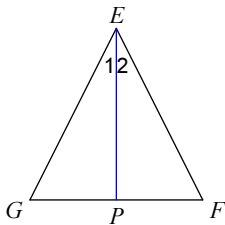
98°

- 686) Find $m\angle 2$ if $m\angle 1 = 3x + 2$ and $m\angle YWX = 7x - 4$.



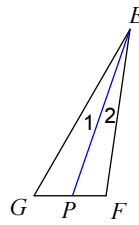
26°

- 687) $m\angle 2 = -6 + 4x$ and $m\angle 1 = 2 + 3x$.
Find $m\angle 1$.



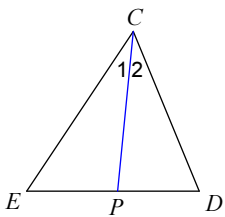
26°

- 688) $m\angle 1 = 2x - 11$ and $m\angle GEF = x + 11$.
Find $m\angle GEF$.



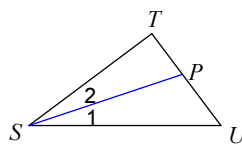
22°

- 689) $m\angle 1 = 3x + 1$ and $m\angle 2 = 4x - 8$.
Find $m\angle 1$.



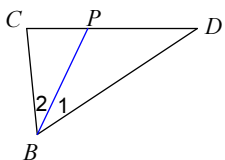
28°

- 690) Find $m\angle 2$ if $m\angle 2 = 4x + 2$ and $m\angle UST = 10x - 4$.



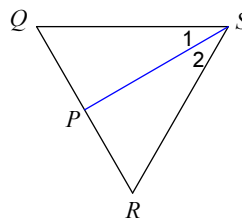
18°

- 691) $m\angle 2 = x + 17$ and $m\angle DBC = 3x + 20$.
Find $m\angle 2$.



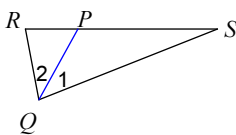
31°

- 692) Find $m\angle QSR$ if $m\angle 1 = 4x + 2$ and $m\angle 2 = 9 + 3x$.



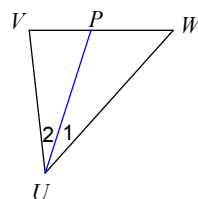
60°

- 693) $m\angle 1 = 6x + 9$ and $m\angle SQR = 15x + 3$.
Find $m\angle SQR$.



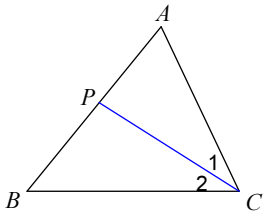
78°

- 694) $m\angle 2 = 4x - 4$ and $m\angle WUV = 6x + 6$.
Find $m\angle 2$.



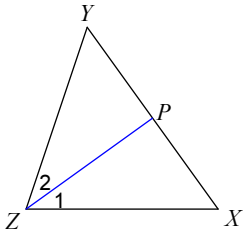
24°

- 695) Find $m\angle 2$ if $m\angle 1 = x + 18$ and $m\angle 2 = 3x - 10$.



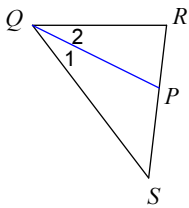
32°

- 697) $m\angle 1 = 34x + 1$ and $m\angle 2 = 35x$. Find $m\angle XZY$.



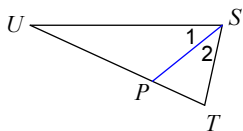
70°

- 699) $m\angle 1 = 4x - 2$ and $m\angle 2 = 3x + 5$. Find $m\angle 2$.



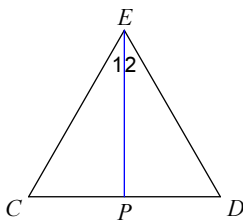
26°

- 701) $m\angle 2 = -1 + 2x$ and $m\angle UST = 3x + 18$. Find $m\angle UST$.



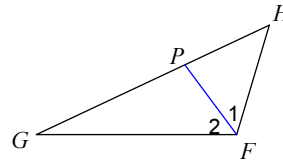
78°

- 703) Find $m\angle 2$ if $m\angle 1 = 3x - 24$ and $m\angle CED = 5x - 30$.



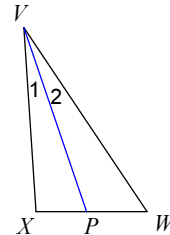
30°

- 696) Find $m\angle HFG$ if $m\angle 1 = 8 + 5x$ and $m\angle HFG = 7 + 11x$.



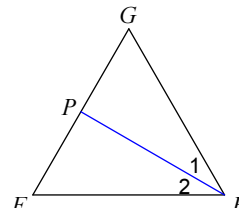
106°

- 698) $m\angle 1 = 16x - 1$ and $m\angle 2 = 14x + 1$. Find $m\angle XVW$.



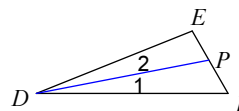
30°

- 700) Find $m\angle GEF$ if $m\angle 2 = 8x - 2$ and $m\angle 1 = 7x + 2$.



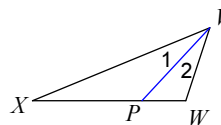
60°

- 702) $m\angle 2 = 11x$ and $m\angle 1 = 9x + 2$. Find $m\angle FDE$.



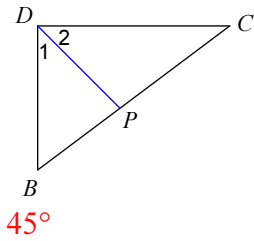
22°

- 704) Find $m\angle 2$ if $m\angle 2 = 4x - 20$ and $m\angle XVW = 2x + 26$.



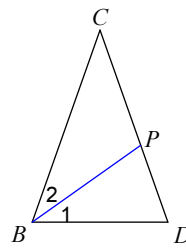
24°

- 705) $m\angle 1 = 4x - 11$ and $m\angle 2 = -25 + 5x$.
Find $m\angle 2$.



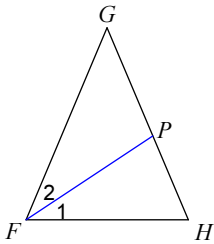
45°

- 706) Find $m\angle 2$ if $m\angle 1 = 8x + 3$ and $m\angle 2 = 9x - 1$.



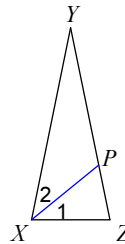
35°

- 707) Find $m\angle HFG$ if $m\angle 1 = 20 + x$ and $m\angle HFG = 5x + 1$.



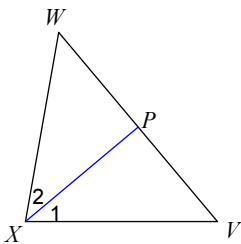
66°

- 708) Find $m\angle ZXY$ if $m\angle 1 = 15x - 6$ and $m\angle ZXY = 28x - 6$.



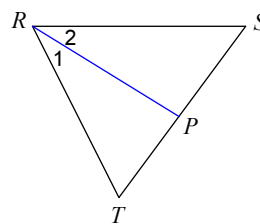
78°

- 709) $m\angle 1 = 5x - 10$ and $m\angle VXW = 6x + 20$.
Find $m\angle 2$.



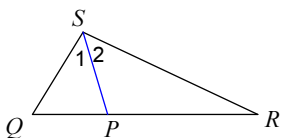
40°

- 710) Find $m\angle 1$ if $m\angle 2 = -2 + 3x$ and $m\angle TRS = 7 + 5x$.



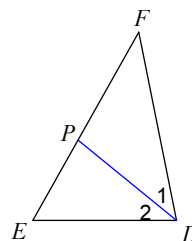
31°

- 711) $m\angle 1 = 4x + 12$ and $m\angle 2 = 3x + 21$.
Find $m\angle QSR$.



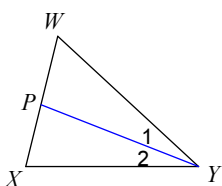
96°

- 712) $m\angle 1 = 2x + 21$ and $m\angle FDE = 7x + 15$.
Find $m\angle 2$.



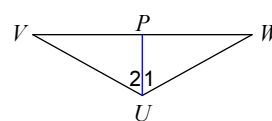
39°

- 713) $m\angle 1 = 3x - 39$ and $m\angle WYX = 4x - 38$.
Find $m\angle 2$.



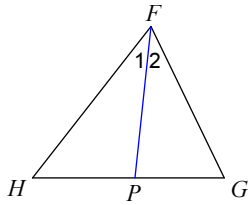
21°

- 714) Find $m\angle WUV$ if $m\angle 1 = 5x - 19$ and $m\angle 2 = 3x + 13$.



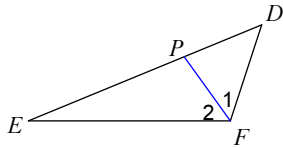
122°

- 715) $m\angle 2 = 3x - 22$ and $m\angle HFG = x + 46$.
Find $m\angle 1$.



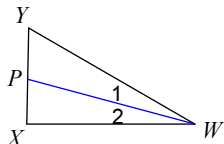
32°

- 717) $m\angle 1 = 5x + 4$ and $m\angle DFE = 11x - 2$.
Find $m\angle 1$.



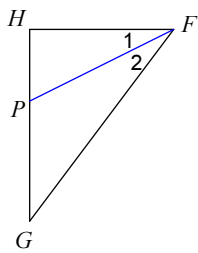
54°

- 719) Find $m\angle YWX$ if $m\angle 2 = 2x - 5$ and $m\angle YWX = x + 20$.



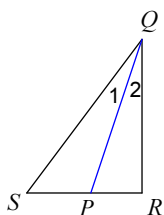
30°

- 721) $m\angle 2 = 27x - 1$ and $m\angle 1 = 28x - 2$.
Find $m\angle HFG$.



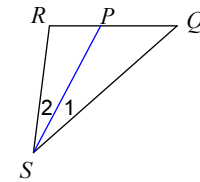
52°

- 723) Find $m\angle SQR$ if $m\angle 2 = 2x - 12$ and $m\angle SQR = 3x - 9$.



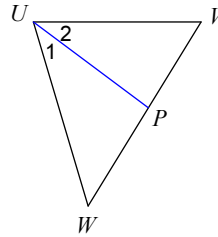
36°

- 716) Find $m\angle 2$ if $m\angle 1 = 3x - 28$ and $m\angle 2 = x + 4$.



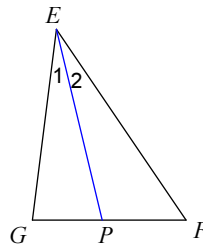
20°

- 718) $m\angle 2 = 3x - 18$ and $m\angle WUV = 2x + 36$.
Find $m\angle 2$.



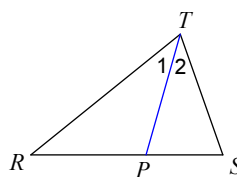
36°

- 720) Find $m\angle GEF$ if $m\angle 1 = 3x - 34$ and $m\angle GEF = 3x - 14$.



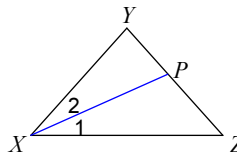
40°

- 722) Find $m\angle 1$ if $m\angle 1 = 4x + 3$ and $m\angle 2 = 3x + 11$.



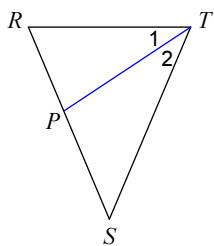
35°

- 724) Find $m\angle 2$ if $m\angle 2 = 7x - 4$ and $m\angle ZXY = 13x - 4$.



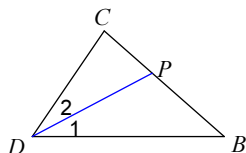
24°

- 725) $m\angle 2 = x + 18$ and $m\angle RTS = 4x + 6$.
Find $m\angle RTS$.



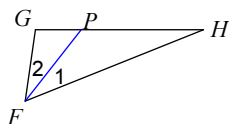
66°

- 727) Find $m\angle BDC$ if $m\angle 1 = -17 + 3x$ and $m\angle BDC = x + 41$.



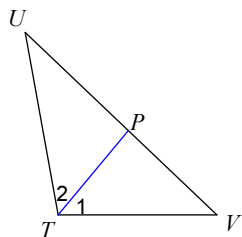
56°

- 729) Find $m\angle 1$ if $m\angle 2 = x + 15$ and $m\angle 1 = 2x$.



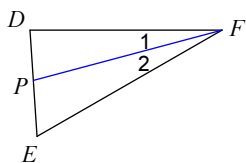
30°

- 731) Find $m\angle VTU$ if $m\angle 2 = 8x - 14$ and $m\angle 1 = 4x + 18$.



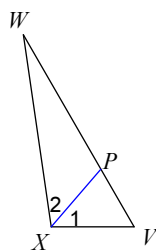
100°

- 733) Find $m\angle DFE$ if $m\angle 1 = 2x + 5$ and $m\angle 2 = x + 10$.



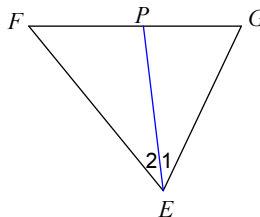
30°

- 726) $m\angle 1 = 4x - 19$ and $m\angle VXW = 3x + 47$.
Find $m\angle VXW$.



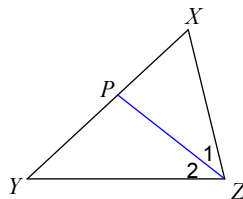
98°

- 728) $m\angle 2 = 4x - 20$ and $m\angle GEF = -14 + 6x$.
Find $m\angle GEF$.



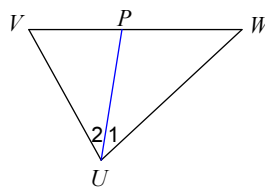
64°

- 730) $m\angle 1 = 3x + 14$ and $m\angle 2 = 2x + 22$.
Find $m\angle 2$.



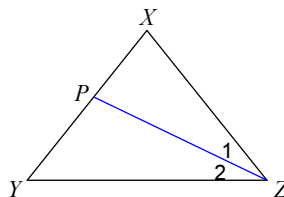
38°

- 732) Find $m\angle 1$ if $m\angle 1 = 7x - 4$ and $m\angle 2 = 6x + 2$.



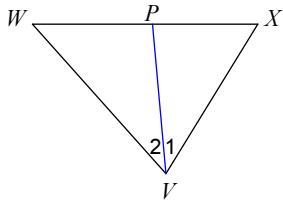
38°

- 734) $m\angle 1 = x + 12$ and $m\angle 2 = -1 + 2x$.
Find $m\angle XZY$.



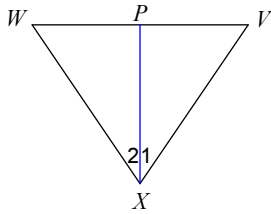
50°

- 735) Find $m\angle XVW$ if $m\angle 1 = 4x - 12$ and $m\angle 2 = x + 24$.



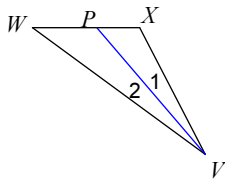
72°

- 737) $m\angle 1 = 7x - 1$ and $m\angle VXW = 12x + 8$. Find $m\angle VXW$.



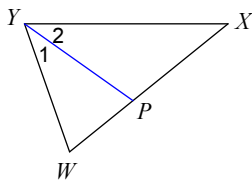
68°

- 739) Find $m\angle 1$ if $m\angle 2 = 4x - 7$ and $m\angle 1 = 3x - 2$.



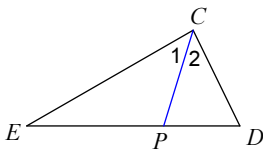
13°

- 741) Find $m\angle 2$ if $m\angle 2 = -3 + 2x$ and $m\angle WYX = x + 51$.



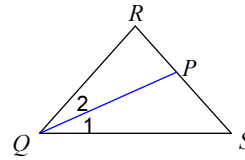
35°

- 743) Find $m\angle 1$ if $m\angle 1 = 2x + 19$ and $m\angle ECD = 8x - 10$.



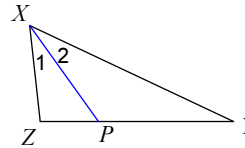
43°

- 736) Find $m\angle 1$ if $m\angle 2 = 2x - 8$ and $m\angle SQR = 5x - 32$.



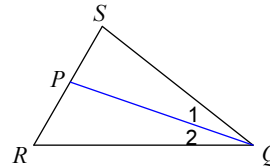
24°

- 738) $m\angle 1 = 3x - 22$ and $m\angle ZXY = 5x - 27$. Find $m\angle ZXY$.



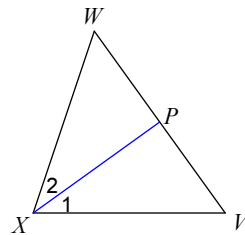
58°

- 740) $m\angle 1 = 3x - 8$ and $m\angle 2 = 4x - 17$. Find $m\angle 1$.



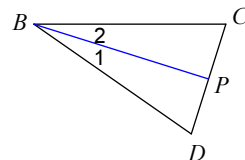
19°

- 742) Find $m\angle VXW$ if $m\angle 1 = 3x - 19$ and $m\angle VXW = 3x + 16$.



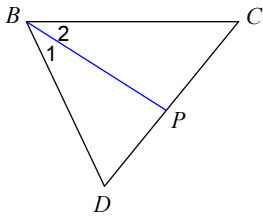
70°

- 744) Find $m\angle DBC$ if $m\angle 2 = x + 7$ and $m\angle 1 = -13 + 3x$.



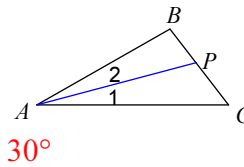
34°

- 745) Find $m\angle 1$ if $m\angle 2 = 4x - 16$ and $m\angle DBC = 16 + 4x$.



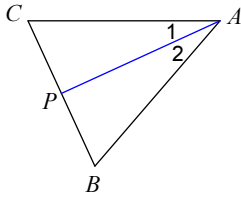
32°

- 746) Find $m\angle CAB$ if $m\angle 2 = 4x + 3$ and $m\angle 1 = -6 + 7x$.



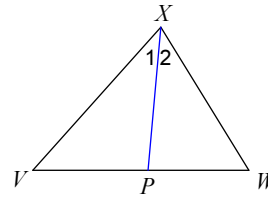
30°

- 747) Find $m\angle CAB$ if $m\angle 1 = -12 + 4x$ and $m\angle CAB = 4x + 12$.



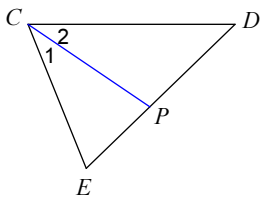
48°

- 748) Find $m\angle 2$ if $m\angle 2 = 3x - 24$ and $m\angle VXW = 4x - 8$.



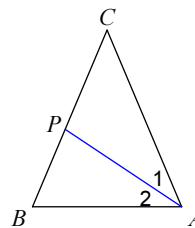
36°

- 749) Find $m\angle ECD$ if $m\angle 1 = 6x + 10$ and $m\angle ECD = 15x + 8$.



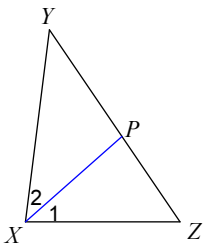
68°

- 750) Find $m\angle 1$ if $m\angle 2 = 2x + 7$ and $m\angle 1 = x + 20$.



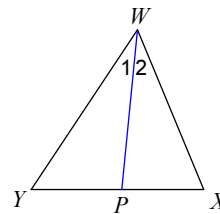
33°

- 751) $m\angle 1 = 4x - 15$ and $m\angle 2 = 3x - 1$.
Find $m\angle 2$.



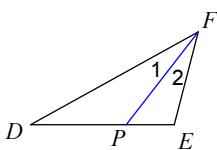
41°

- 752) $m\angle 1 = x + 14$ and $m\angle 2 = 4x - 28$.
Find $m\angle 2$.



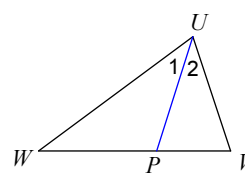
28°

- 753) $m\angle 1 = 4x - 21$ and $m\angle DFE = 2 + 4x$.
Find $m\angle DFE$.



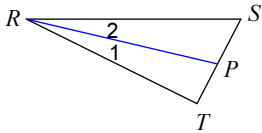
46°

- 754) Find $m\angle 1$ if $m\angle 2 = x + 16$ and $m\angle WUV = 3x + 12$.



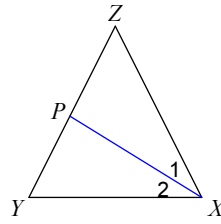
36°

- 755) $m\angle 2 = 13x$ and $m\angle 1 = 12x + 1$.
Find $m\angle 1$.



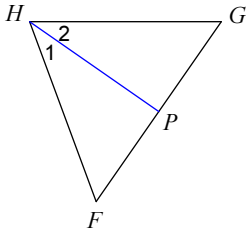
13°

- 756) $m\angle 2 = 2x - 1$ and $m\angle 1 = 3x - 17$.
Find $m\angle ZXY$.



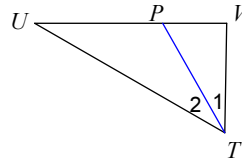
62°

- 757) $m\angle 2 = 2x - 5$ and $m\angle 1 = x + 15$.
Find $m\angle 2$.



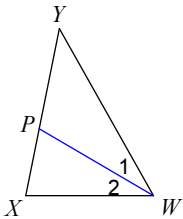
35°

- 758) $m\angle 2 = 8x - 10$ and $m\angle VTU = 11x + 5$.
Find $m\angle 2$.



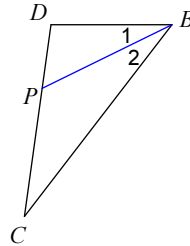
30°

- 759) Find $m\angle 2$ if $m\angle 2 = 2x - 8$ and
 $m\angle 1 = 3x - 27$.



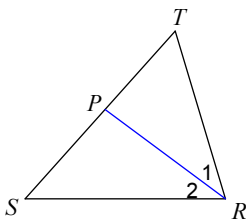
30°

- 760) $m\angle 2 = x + 13$ and $m\angle 1 = 3x - 13$.
Find $m\angle 1$.



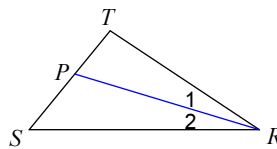
26°

- 761) Find $m\angle 2$ if $m\angle 1 = 16x + 4$ and
 $m\angle 2 = 17x + 2$.



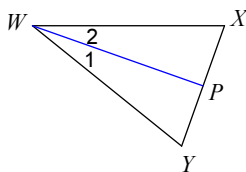
36°

- 762) Find $m\angle TRS$ if $m\angle 2 = 3x + 2$ and
 $m\angle 1 = 5x - 8$.



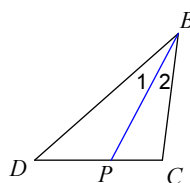
34°

- 763) $m\angle 1 = 19x$ and $m\angle 2 = 18x + 1$.
Find $m\angle YWX$.



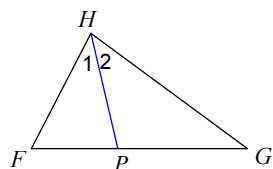
38°

- 764) Find $m\angle 2$ if $m\angle 1 = x + 3$ and
 $m\angle 2 = 2x - 14$.



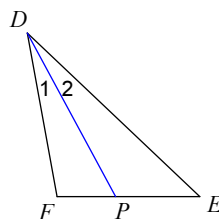
20°

- 765) Find $m\angle FHG$ if $m\angle 2 = 4x + 4$ and $m\angle 1 = 3x + 13$.



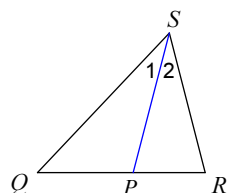
80°

- 766) Find $m\angle 2$ if $m\angle 1 = 2x + 8$ and $m\angle FDE = -9 + 9x$.



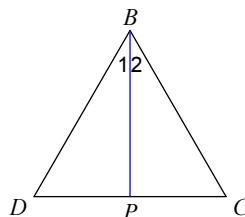
18°

- 767) Find $m\angle QSR$ if $m\angle 2 = 3x + 8$ and $m\angle QSR = 8x + 2$.



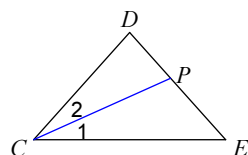
58°

- 768) $m\angle 1 = 3x - 21$ and $m\angle 2 = x + 13$. Find $m\angle 2$.



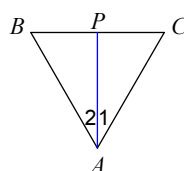
30°

- 769) $m\angle 1 = x + 16$ and $m\angle 2 = 5x - 16$. Find $m\angle 1$.



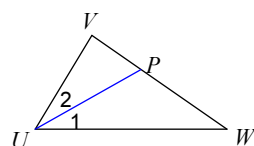
24°

- 770) Find $m\angle CAB$ if $m\angle 1 = 29x + 1$ and $m\angle 2 = 32x - 2$.



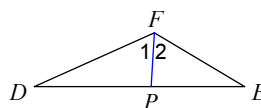
60°

- 771) Find $m\angle 1$ if $m\angle 1 = 29x$ and $m\angle WUV = 59x - 1$.



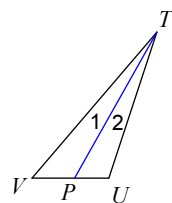
29°

- 772) $m\angle 1 = 11x + 7$ and $m\angle 2 = 14x - 8$. Find $m\angle 2$.



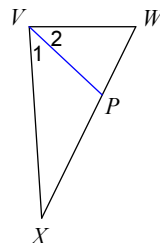
62°

- 773) Find $m\angle VTU$ if $m\angle 2 = 2x - 21$ and $m\angle VTU = 2x - 10$.



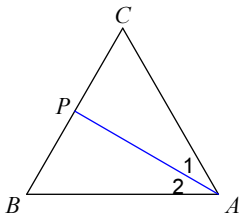
22°

- 774) $m\angle 1 = 5x + 8$ and $m\angle 2 = 7x - 6$. Find $m\angle XVW$.



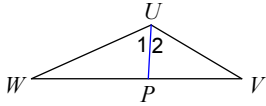
86°

- 775) $m\angle 1 = 4x + 2$ and $m\angle CAB = 9x - 3$.
Find $m\angle 1$.



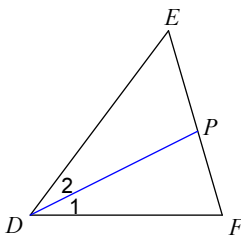
30°

- 777) Find $m\angle 1$ if $m\angle 2 = 20x + 2$ and $m\angle WUV = -5 + 43x$.



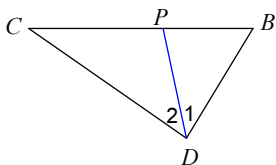
62°

- 779) $m\angle 1 = 2x - 10$ and $m\angle 2 = 3x - 28$.
Find $m\angle FDE$.



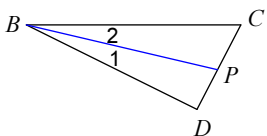
52°

- 781) Find $m\angle 1$ if $m\angle 1 = 9x - 2$ and $m\angle 2 = 7x + 8$.



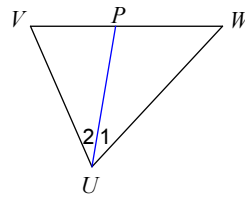
43°

- 783) $m\angle 1 = 2x - 7$ and $m\angle DBC = x + 16$.
Find $m\angle DBC$.



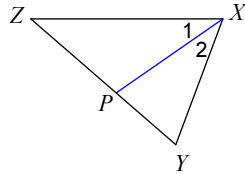
26°

- 776) $m\angle 1 = 6x + 9$ and $m\angle WUV = 15x + 6$.
Find $m\angle 1$.



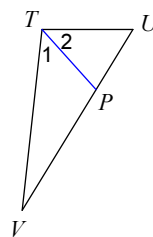
33°

- 778) Find $m\angle ZXY$ if $m\angle 2 = 6x - 1$ and $m\angle ZXY = 11x + 4$.



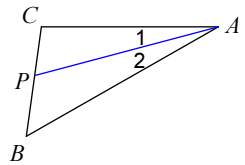
70°

- 780) Find $m\angle VTU$ if $m\angle 2 = 13x - 4$ and $m\angle 1 = 8 + 10x$.



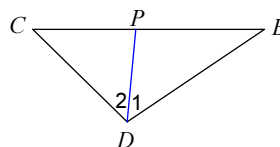
96°

- 782) $m\angle 2 = 15x$ and $m\angle CAB = 29x + 1$.
Find $m\angle CAB$.



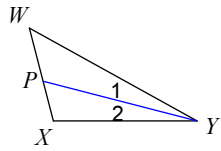
30°

- 784) $m\angle 1 = 4x - 21$ and $m\angle 2 = x + 33$.
Find $m\angle BDC$.



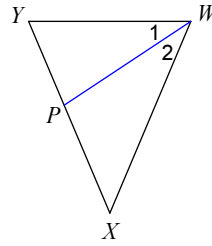
102°

- 785) Find $m\angle 2$ if $m\angle 2 = x + 2$ and $m\angle 1 = 2x - 10$.



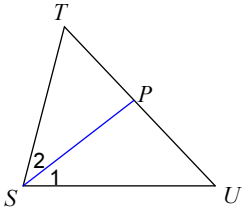
14°

- 786) $m\angle 2 = 6x + 9$ and $m\angle YWX = 14x + 10$. Find $m\angle 2$.



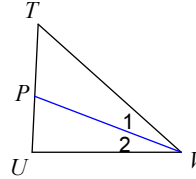
33°

- 787) Find $m\angle UST$ if $m\angle 2 = 2x + 10$ and $m\angle 1 = x + 24$.



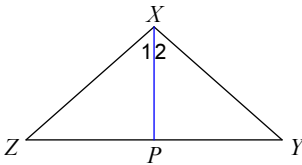
76°

- 788) $m\angle 1 = 1 + 10x$ and $m\angle 2 = 9x + 3$. Find $m\angle 2$.



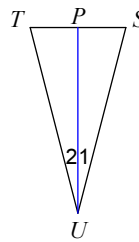
21°

- 789) $m\angle 2 = 24x$ and $m\angle ZXY = 46x + 4$. Find $m\angle 1$.



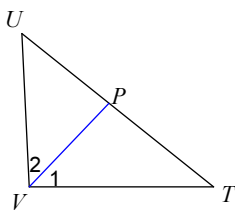
48°

- 790) Find $m\angle SUT$ if $m\angle 2 = 2 + 12x$ and $m\angle 1 = 14x$.



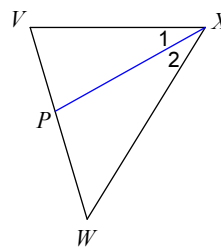
28°

- 791) Find $m\angle TVU$ if $m\angle 2 = -26 + 4x$ and $m\angle TVU = 7x - 34$.



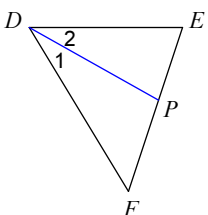
92°

- 792) Find $m\angle VXW$ if $m\angle 1 = 3x - 16$ and $m\angle VXW = 4x - 2$.



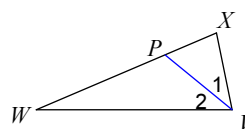
58°

- 793) $m\angle 2 = 3x - 25$ and $m\angle FDE = 3x + 4$. Find $m\angle FDE$.



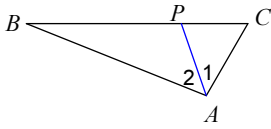
58°

- 794) $m\angle 1 = 5x - 11$ and $m\angle XVW = 5x + 28$. Find $m\angle 1$.



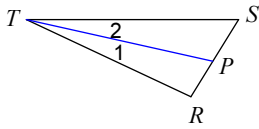
39°

- 795) $m\angle 2 = 4x + 1$ and $m\angle 1 = 5x - 11$.
Find $m\angle CAB$.



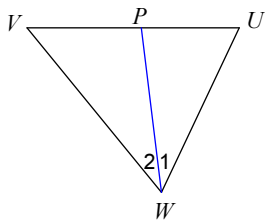
98°

- 797) Find $m\angle 1$ if $m\angle 1 = 2x - 26$ and $m\angle RTS = -14 + 2x$.



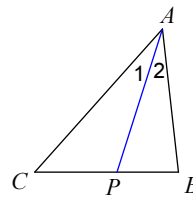
12°

- 799) Find $m\angle UWV$ if $m\angle 1 = x + 12$ and $m\angle 2 = 2x - 8$.



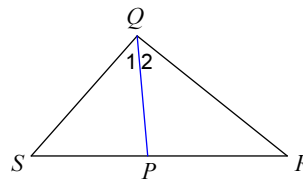
64°

- 796) Find $m\angle CAB$ if $m\angle 1 = 17 + x$ and $m\angle 2 = 2x + 10$.



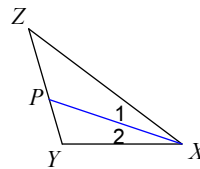
48°

- 798) $m\angle 1 = 3x - 2$ and $m\angle SQR = 7x - 20$.
Find $m\angle 1$.



46°

- 800) Find $m\angle ZXY$ if $m\angle 1 = 3x - 18$ and $m\angle 2 = 2x - 6$.



36°