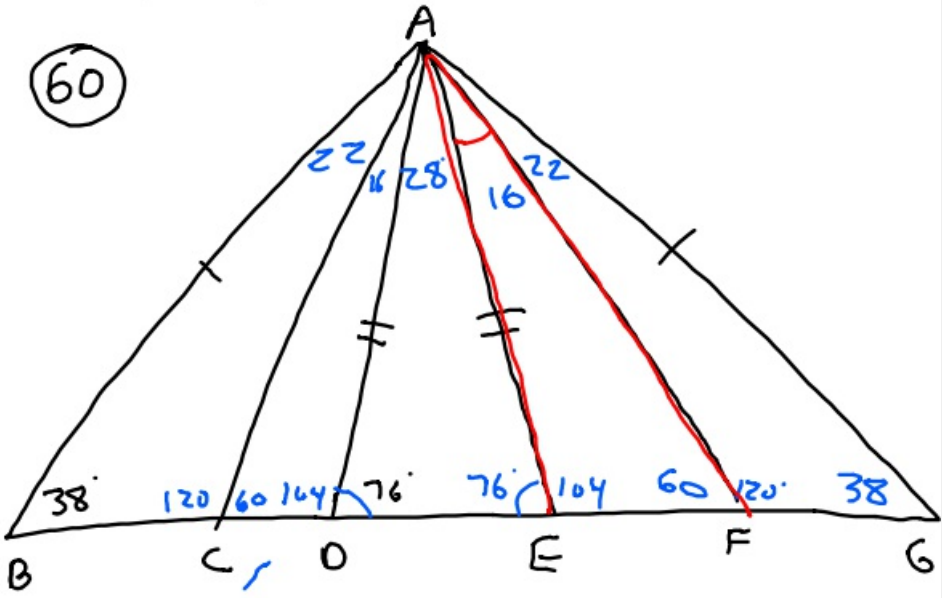
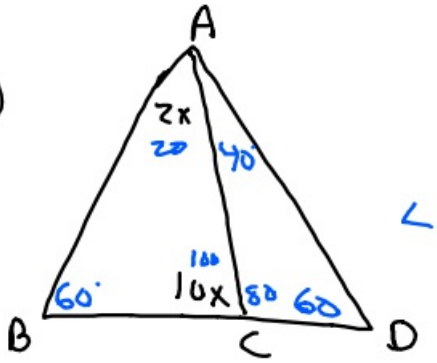
11-4-19 6th Geo

(60)



$\angle EAF = 16^\circ$

(61)



$\angle CAD = 40^\circ$

$2x + 60 + 10x = 180^\circ$

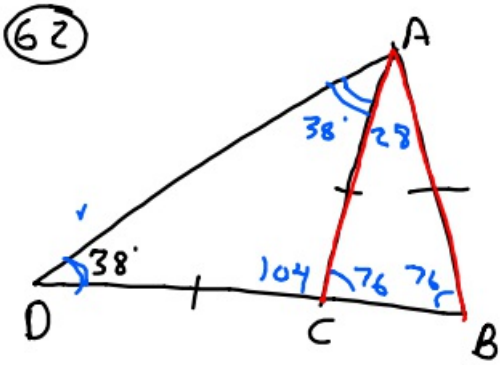
$12x + 60 = 180^\circ$

$-60 \quad -60$

$\frac{12x}{12} = \frac{120}{12}$

$x = 10$

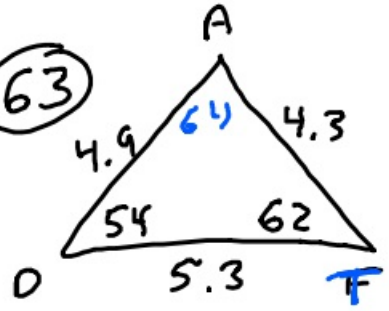
(62)

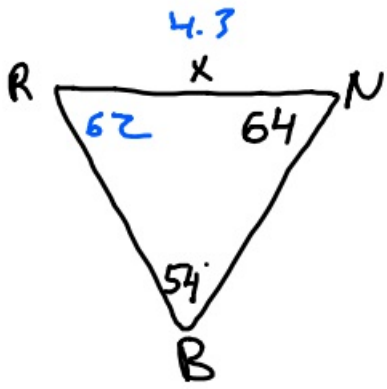


$AB = AC = DC$

$\angle CAB = 28^\circ$

(63)





$\triangle ADT \cong \triangle NBR$

(66) $(5,4)$ $\perp$ to $(1,4)$ $(7,5)$

$y - y_1 = m(x - x_1)$

$y - 4 = -6(x - 5)$

$y - 4 = -6x + 30$

$+4 \qquad +4$

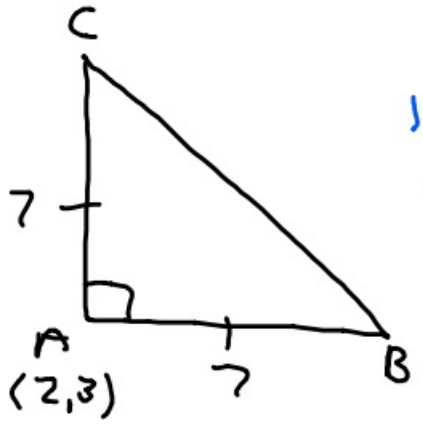
$y = -6x + 34$

$m = ?$

$\frac{\Delta y}{\Delta x} = \frac{5-4}{7-1} = \frac{1}{6}$

$\therefore \perp m = -6$

(67)



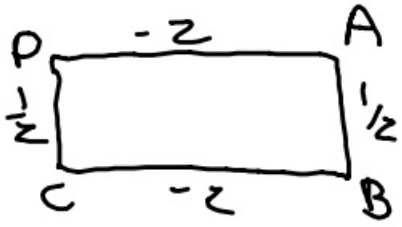
$leg^2 + leg^2 = hyp^2$

$7^2 + 7^2 = hyp^2$

$\sqrt{98} = \sqrt{hyp^2}$

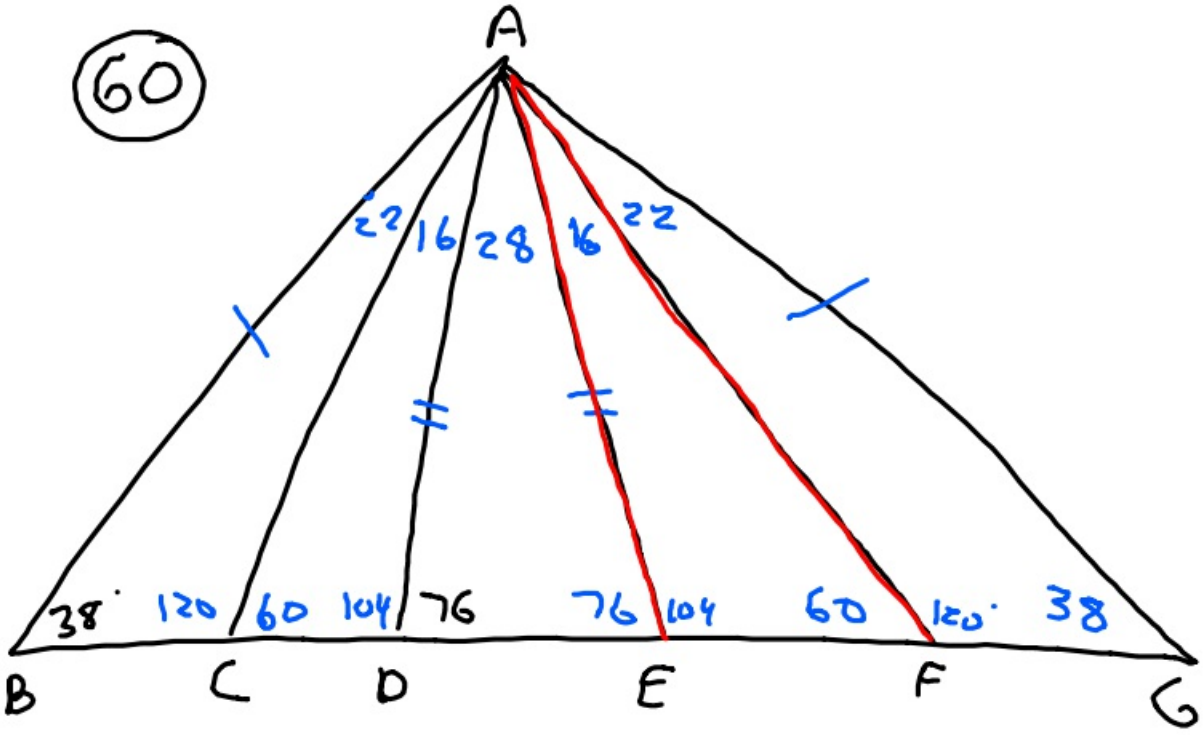
$9.9 \approx hyp$

(68)



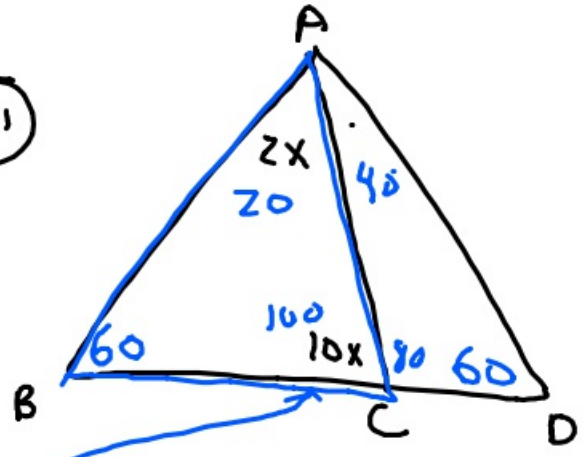
11-4-19 7th Geo

(60)



$\angle EAF = 16^\circ$

(61)



$\angle CAD = 40^\circ$

$60 + 10x + 2x = 180^\circ$

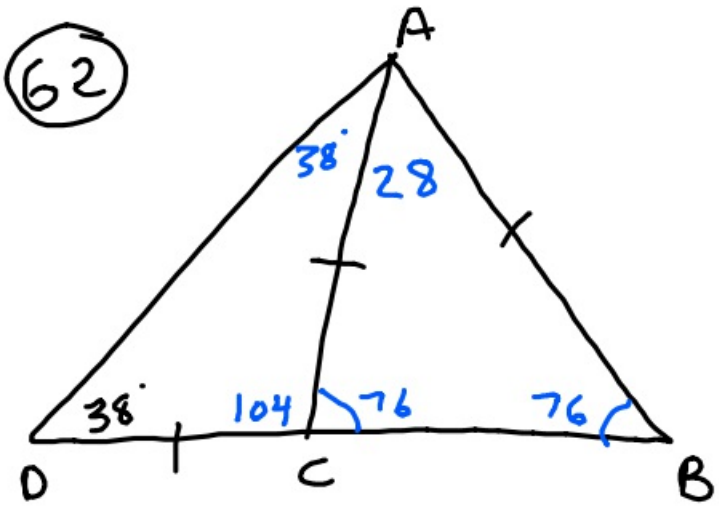
$60 + 12x = 180^\circ$

$-60 \quad -60$

$12x = 120$

$x = 10^\circ$

(62)

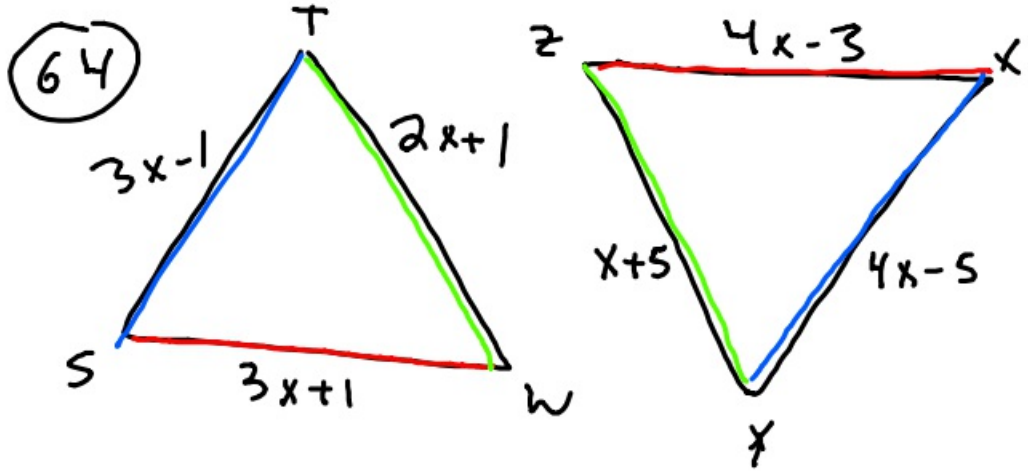


$\angle CAB = 28^\circ$

(63) $\triangle ADT \cong \triangle NBR$

$AT = 4.3 \quad \therefore NR = 4.3$

(64)



$\triangle SNT \cong \triangle XZY$

$2x+1 = x+5$

$x = 4$

$3x-1 = 4x-5$

$x = 4$

$3x+1 = 4x-3$

$x = 4$

66

(5,4) ⊥ to (1,4) (7,5)

$m = \frac{\Delta y}{\Delta x} = \frac{5-4}{7-1} = \frac{1}{6}$

$\therefore \perp m = -6$

$y - y_1 = m(x - x_1)$

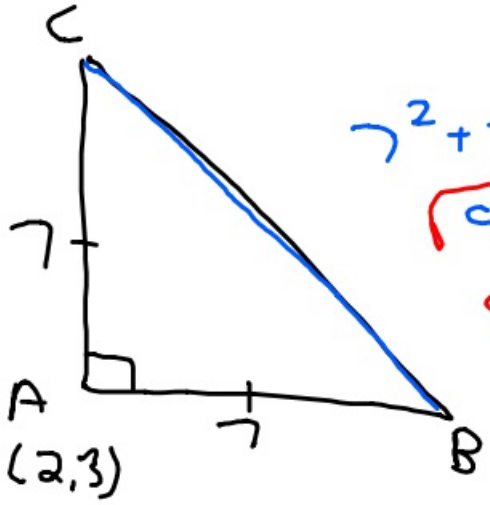
$y - 4 = -6(x - 5)$

$y - 4 = -6x + 30$

$+4 \qquad +4$

$y = -6x + 34$

67



$7^2 + 7^2 = hyp^2$

$\sqrt{98} = \sqrt{hyp^2}$

$9.9 \approx hyp$

68