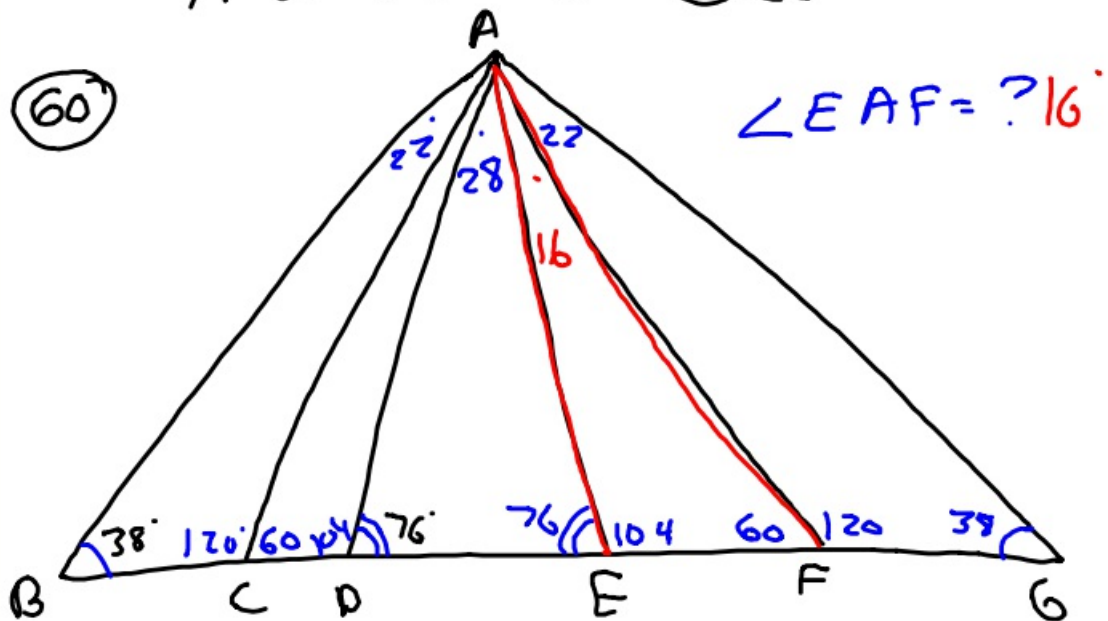


11-2-17 5th Geo

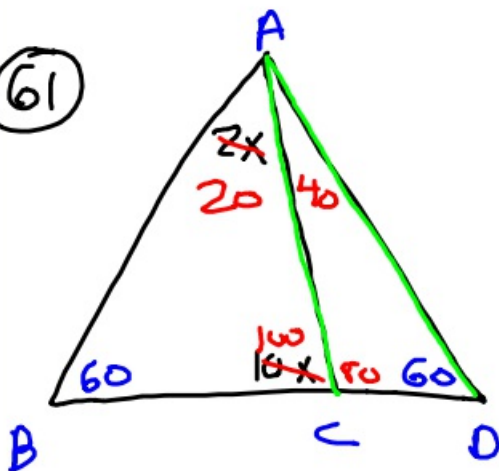
(60)



$\triangle ABG$
 $\triangle DAE$ } isosceles

$\triangle CAF \rightarrow$ eq. \triangle

(61)



$\triangle ABD \rightarrow$ eq. \triangle

$\angle CAD = ?$ 40

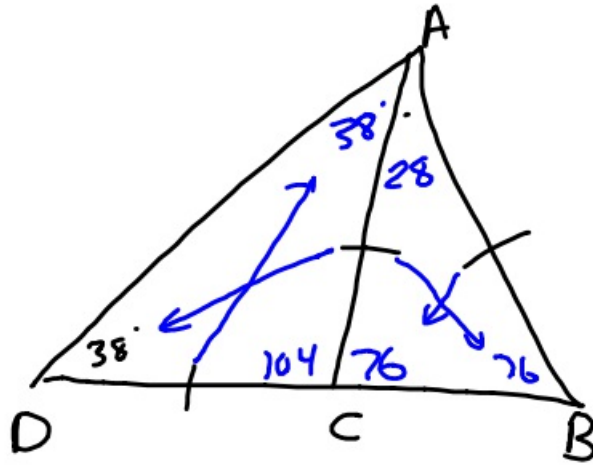
$$2x + 10x + 60 = 180$$

$$12x + 60 = 180$$

$$12x = 120$$

$$x = 10$$

(62)



$$\angle CAB = 28^\circ$$

(63) (5, 4)

⊥ to line through (1, 4) (7, 5)

$$\text{slope} = \frac{5-4}{7-1} = \frac{1}{6}$$

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

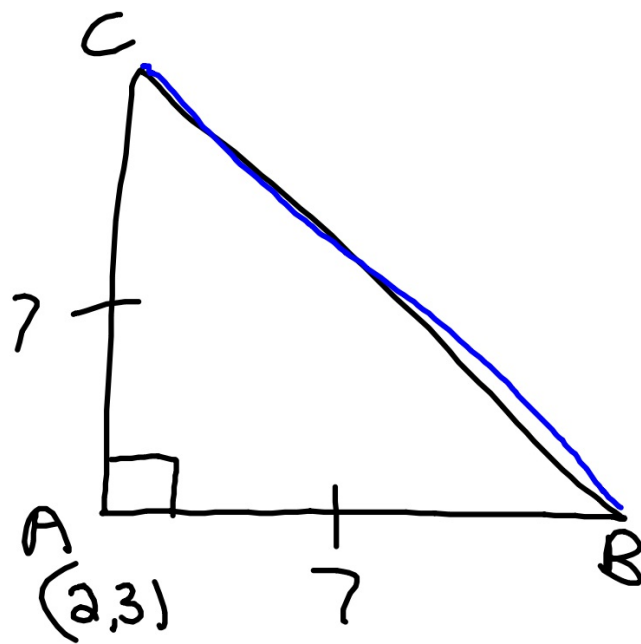
$$y-4 = -6x+30$$

$$+4 \qquad +4$$

$$y = -6x + 34$$

$$\therefore \perp m = -6$$

(64)



BC =

$$a^2 + b^2 = c^2$$

$$7^2 + 7^2 = c^2$$

$$49 + 49 = c^2$$

$$\sqrt{98} = c$$

$$c \approx 9.9$$

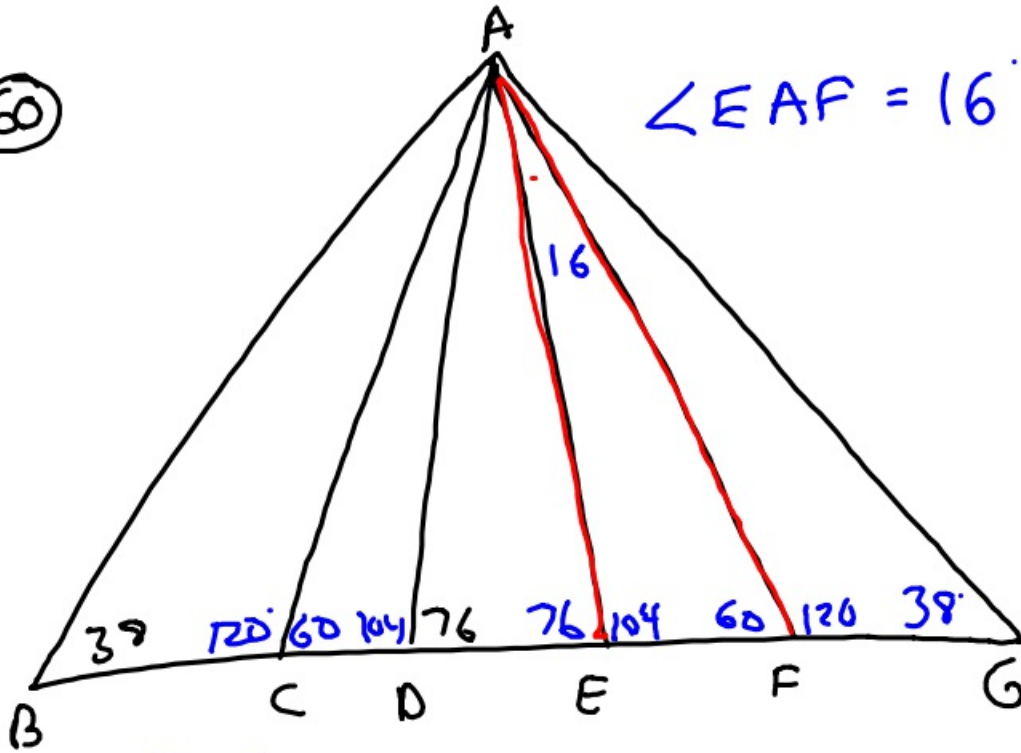
$(0,1)$ $(-4,3)$

$$D = \sqrt{4^2 + 2^2}$$

$$\sqrt{20}$$

11-2-17 6th 6^{ea}

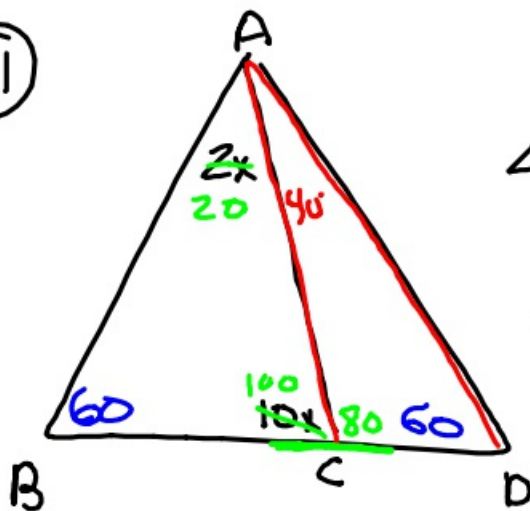
60



$\triangle ABG \rightarrow$ isosceles
 $\triangle DAE$

$\triangle CAF \rightarrow$ eq.

61



$\triangle ABD \rightarrow$ eq.

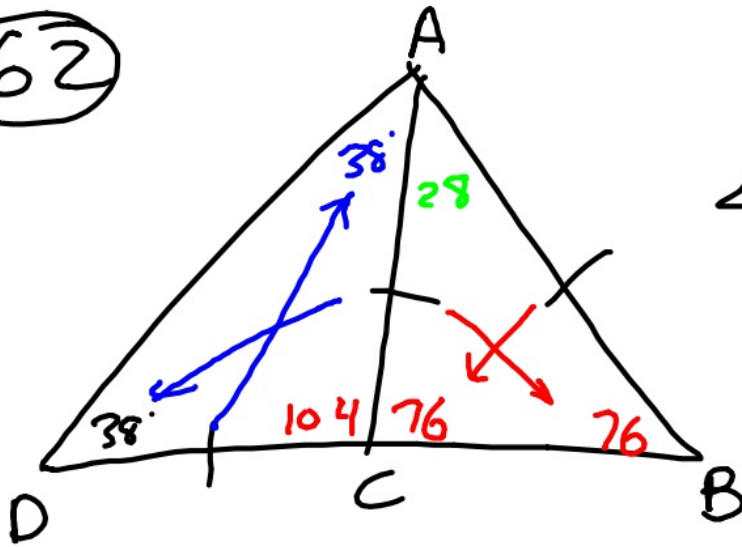
$\angle CAD = ? 40^\circ$

$$60 + 10x + 2x = 180$$

$$60 + 12x = 180$$

$$x = 10$$

(62)



$$\angle CAB = ? \quad 28'$$

(63) through (5,4)

⊥ to line through (1,4) (7,5)

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

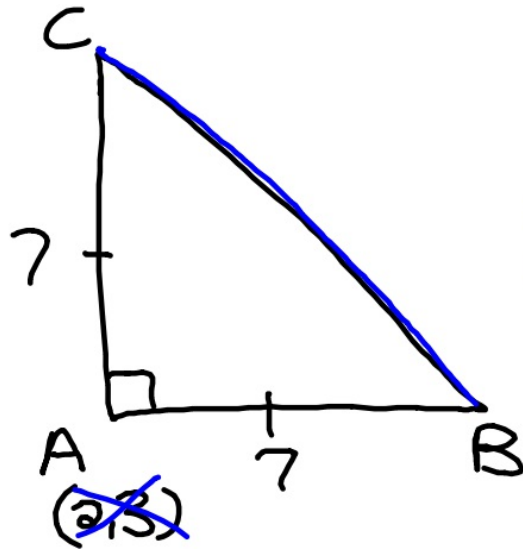
$$y - 4 = -6x + 30$$

$$\begin{array}{r} +4 \qquad \qquad +4 \\ \hline y = -6x + 34 \end{array}$$

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

$$\therefore \perp m = -6$$

64



$$a^2 + b^2 = c^2$$

$$7^2 + 7^2 = c^2$$

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

$$9.9 \approx c$$

(0, 1) (-4, 3)

$$D = \sqrt{\Delta x^2 + \Delta y^2}$$

$$\sqrt{4^2 + 2^2}$$

$$\sqrt{20} \approx 4.47\dots$$