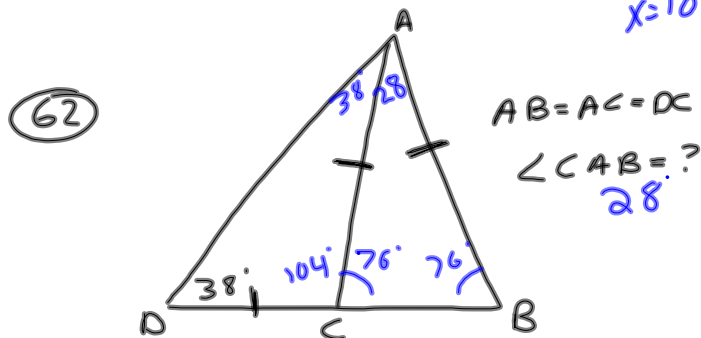
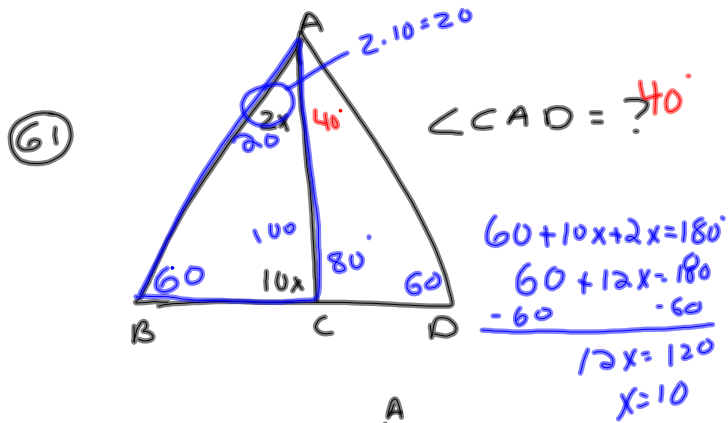
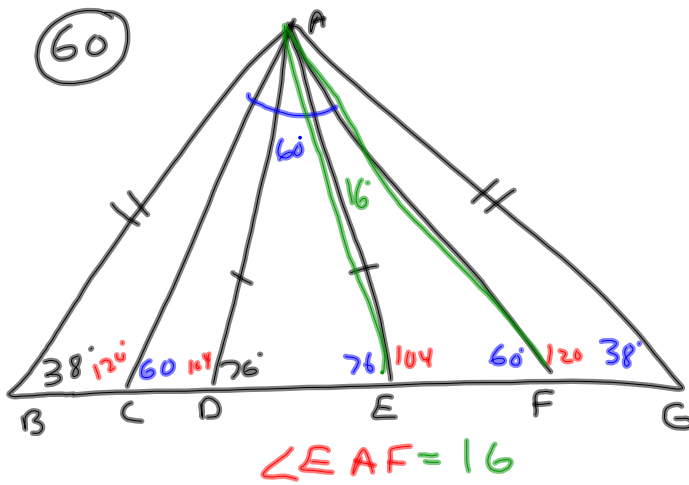
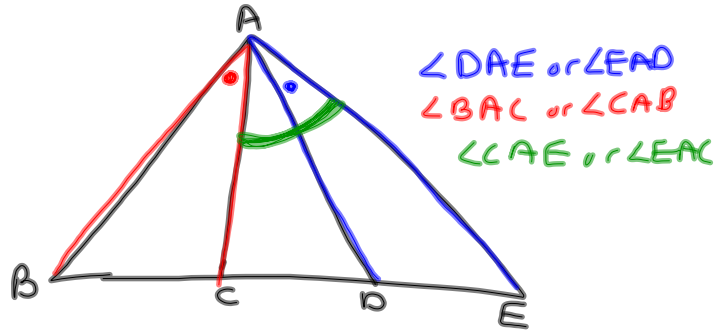


11-14-13  
5<sup>th</sup> Geo



63) (2,3)

and is  $\perp$  to line  
that goes through  
(1,4)(7,5)

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

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

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

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

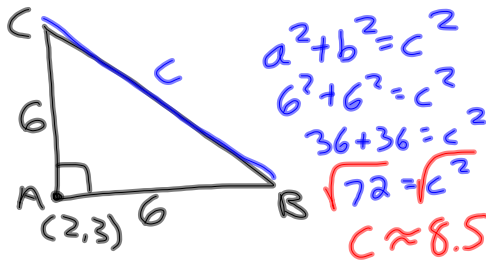
$$y - 3 = -6x + 12$$

$$\begin{array}{r} y - 3 = -6x + 12 \\ +3 \qquad \qquad +3 \\ \hline y = -6x + 15 \end{array}$$

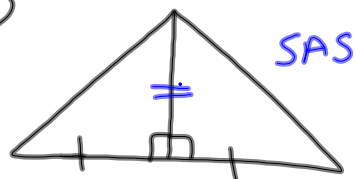
64)  $\triangle ABC$  is a right isosceles

$\triangle$  with A located at  
(2,3) and  $\angle CAB = 90^\circ$ .

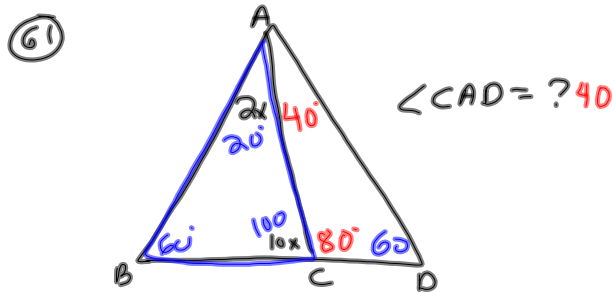
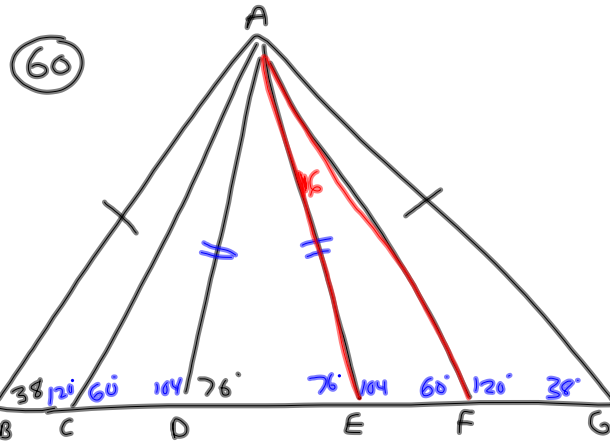
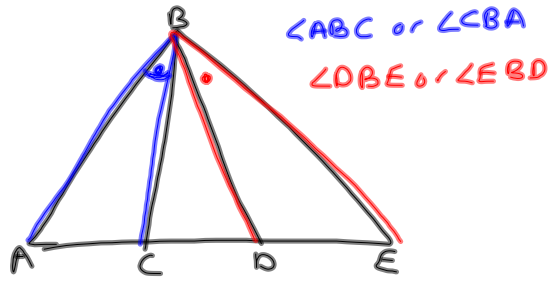
If  $AB = 6$  and  $AC = 6$ ,  
What is  $BC$ ?



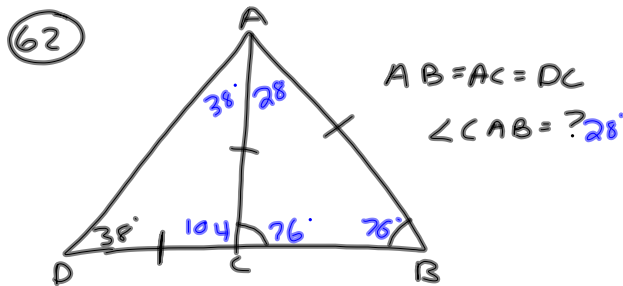
42)



11-14-13  
6<sup>th</sup> Geo



$$\begin{aligned} 60 + 10x + 2x &= 180 \\ 60 + 12x &= 180 \\ -60 & \quad -60 \\ \hline 12x &= 120 \\ x &= 10 \end{aligned}$$



63 through  $(2, 3)$   
 $x, y,$

⊥ to line that goes  
through  $(1, 4)$   $(7, 5)$

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

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

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

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

$$y - 3 = -6x + 12$$

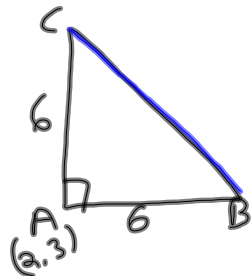
$$\begin{array}{r} +3 \\ \hline y = -6x + 15 \end{array}$$

64  $\triangle ABC$  is a right isosceles

$\triangle$  with A located at

$(2, 3)$  and  $\angle CAB = 90^\circ$ .

If  $AB = 6$  and  $AC = 6$ , what is  $BC$ ?



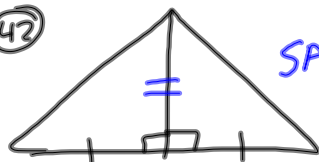
$$a^2 + b^2 = c^2$$

$$6^2 + 6^2 = c^2$$

$$\sqrt{72} = \sqrt{c^2}$$

$$c \approx 8.5$$

42



SAS