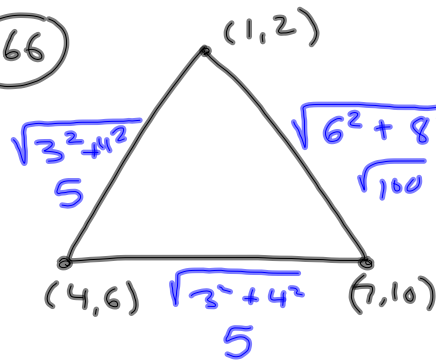


12-13-13

1<sup>st</sup> Geo

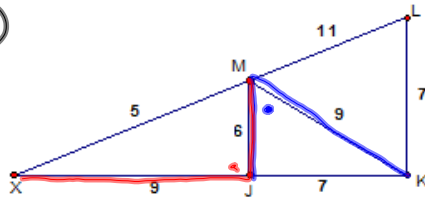
166



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

$$P = 5 + 5 + 10 = 20$$

125



$$\angle JMK > \angle MJX$$

161

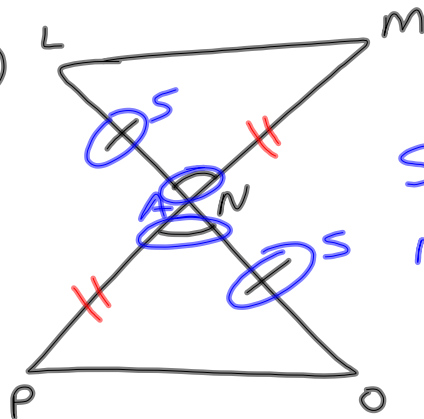
$$\perp \text{ to } y = \frac{1}{2}x - 7$$

$$\text{slope} = \frac{1}{2}$$

$$\perp \text{ slope} = -2$$

$$y = -2x + \underline{\hspace{2cm}}$$

43

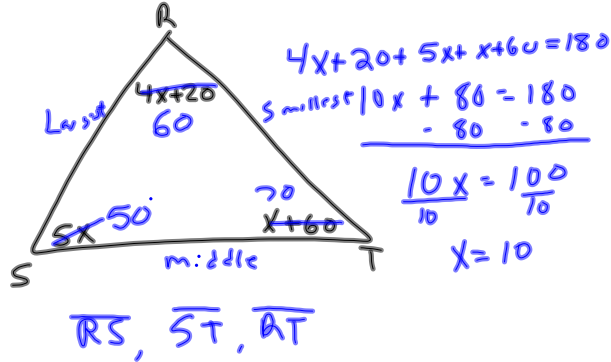


SA

$$MN = PN$$

Prove  $\triangle MNL \cong \triangle PNO$  by SAS

100  $\triangle RST$   
 $\angle R = 4x + 20$   
 $\angle S = 5x$   
 $\angle T = x + 60$



67  $(2, 7)$  slope = 4

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

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

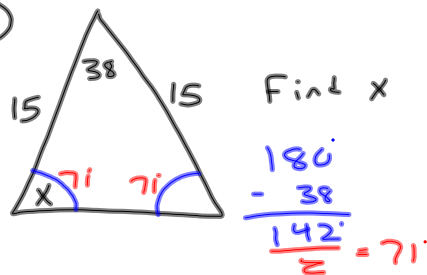
$$y - 7 = 4x - 8$$

$$\begin{array}{r} +7 \qquad +7 \\ \hline y = 4x - 1 \end{array}$$

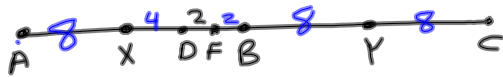
Slope from  $(1, 2)$   $(5, 14)$

$$\text{slope} = \frac{\Delta y}{\Delta x} = \frac{14 - 2}{5 - 1} = \frac{12}{4} = 3$$

133

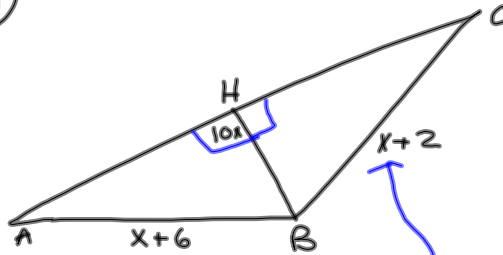


168



$$AC = 32$$

104



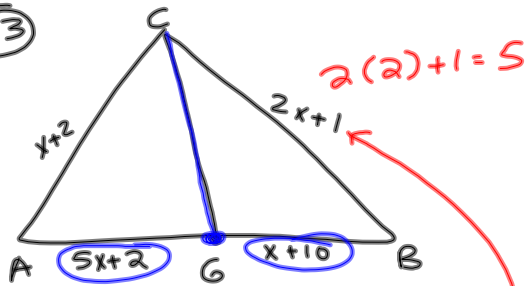
$\overline{BH}$  is altitude of  $\triangle ABC$ .

What is  $BC$ ? ||

$$10x = 90$$

$$x = 9$$

103



$$2(2) + 1 = 5$$

If  $\overline{CG}$  is median, what is  $BC$ ?

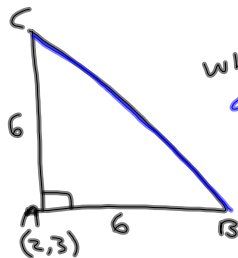
$$5x + 2 = x + 10$$

$$\begin{array}{r} -x \quad -x \\ \hline 4x + 2 = 10 \\ -2 \quad -2 \\ \hline 4x = 8 \end{array}$$

$$4x = 8$$

$$x = 2$$

172



What is  $BC$ ?

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

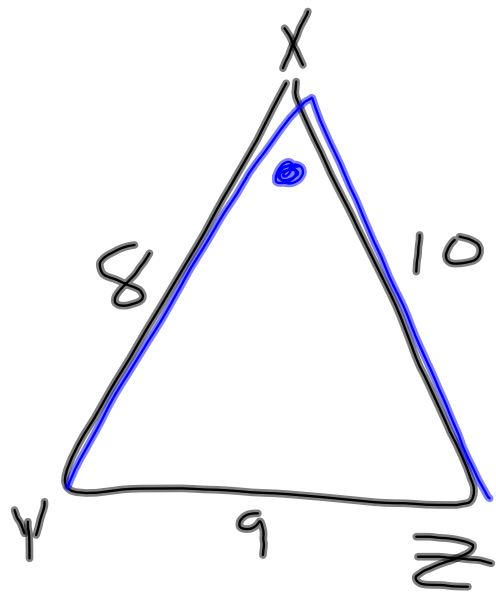
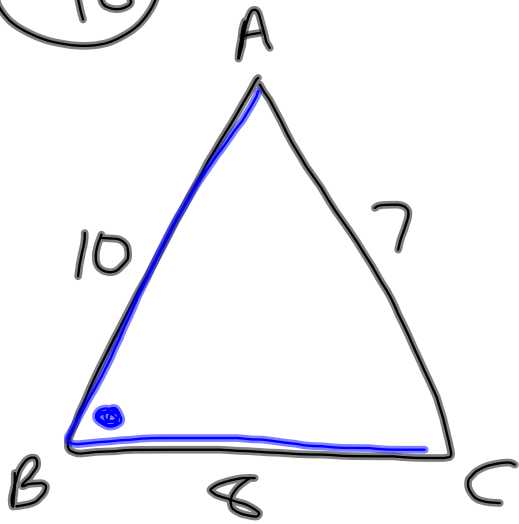
$$6^2 + 6^2 = c^2$$

$$36 + 36 = c^2$$

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

$$c \approx 8.48$$

98



$$\angle X > \angle B$$