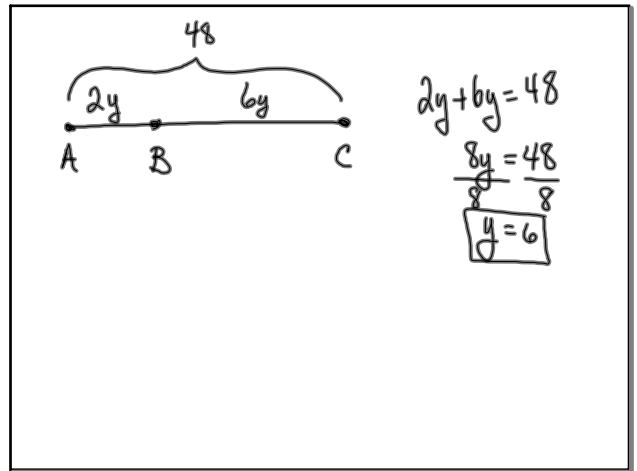
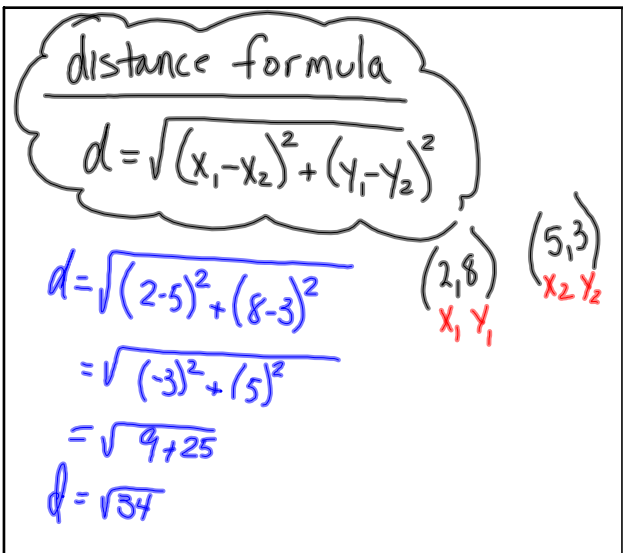


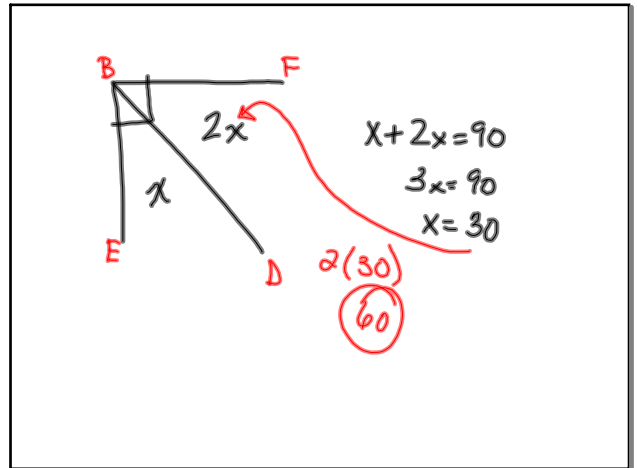
Jan 10-9:13 AM



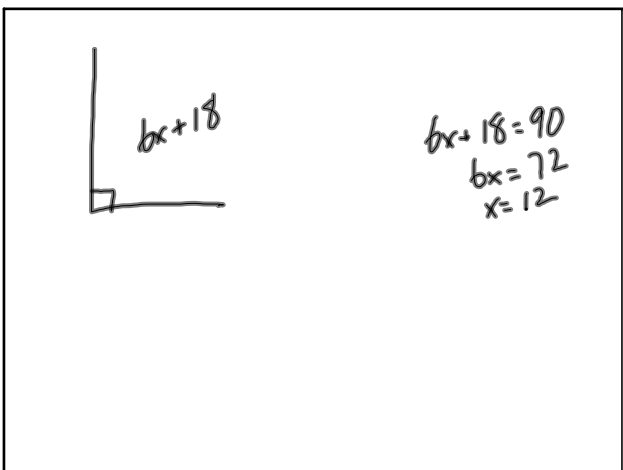
Jan 10-1:27 PM



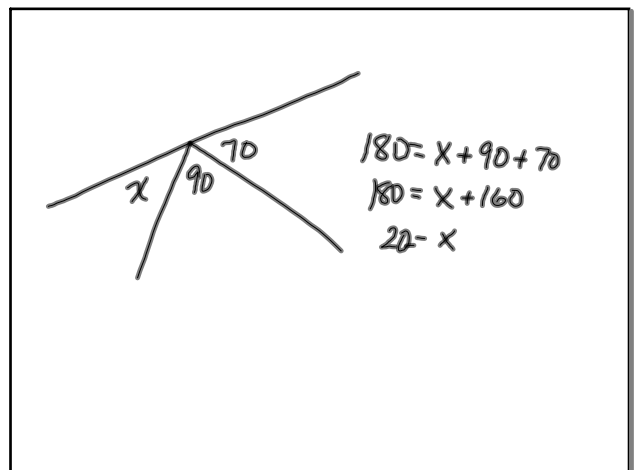
Jan 10-9:21 AM



Jan 10-9:28 AM



Jan 10-9:29 AM



Jan 10-9:32 AM

$$5x - 10$$

$$3x + 20$$

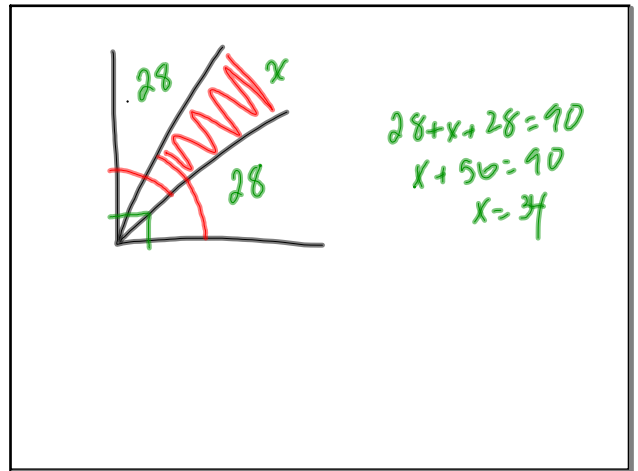
$$5x - 10 + 3x + 20 = 180$$

$$8x + 10 = 180$$

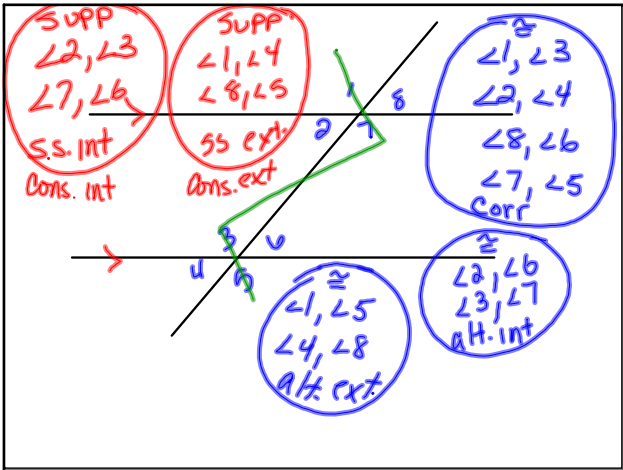
$$8x = 170$$

$$x = 21.25$$

Jan 10-9:33 AM



Jan 10-9:35 AM



Jan 10-9:38 AM

Slope (m)

$$m = \frac{y_2 - y_1}{x_2 - x_1}$$

pt. slope equation

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

slope intercept form

$$y = mx + b$$

Intercepts

x-int (#, 0)

y-int (0, #)

$\parallel m \rightarrow m_1 = m_2$

$\perp m \Rightarrow$ flip and change sign

Jan 10-12:14 PM

$(2, 0) \neq (0, 12)$

$x_1, y_1 \quad x_2, y_2$

slope

y-int

$$m = \frac{12 - 0}{0 - 2}$$

$$= \frac{12}{-2}$$

$$m = -6$$

$$y = mx + b$$

$$y = -6x + 12$$

Jan 10-12:19 PM

$(1, -3) \neq (7, 15)$

$x_1, y_1 \quad x_2, y_2$

Jan 10-12:21 PM

$$\begin{aligned}
 3x - 7 + 4x - 9 &= 180 \\
 7x - 16 &= 180 \\
 7x &= 196 \\
 x &= 28
 \end{aligned}$$

Jan 10-9:50 AM

$$\begin{aligned}
 4x + 9 &= 7x - 9 \\
 -4x & \quad -4x \\
 \hline
 9 &= 3x - 9 \\
 9 & \quad +9 \\
 \hline
 18 &= 3x \\
 \frac{18}{3} &= \frac{3x}{3} \\
 6 &= x
 \end{aligned}$$

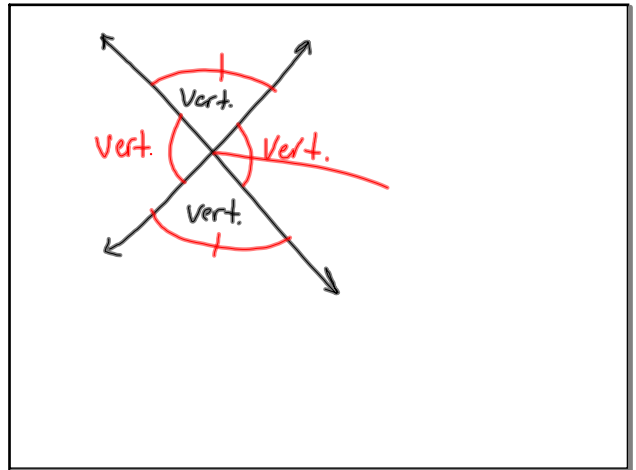
$4(6) + 9$
 $24 + 9$
 33

Jan 10-11:59 AM

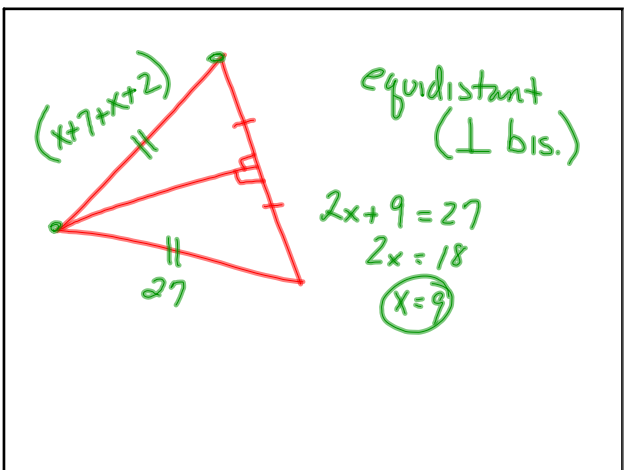
$P \rightarrow Q$ conditional statement
 if... then...
 $Q \rightarrow P$ converse
 $\sim P \rightarrow \sim Q$ inverse
 $\sim Q \rightarrow \sim P$ contrapositive

if ... then ...
 P Q
 hyp Concl.

Jan 10-12:05 PM



Jan 10-12:01 PM



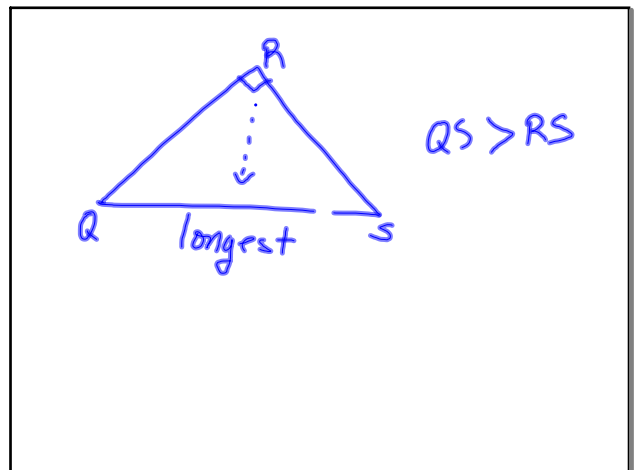
Jan 10-12:10 PM

- (a) $6 + 6 = 12$ NOT A TRIANGLE
 - (b) $6 + 7 = 13$ " " "
 - (c) $\sqrt{2}, \sqrt{5}, \sqrt{15}$
 - (d) $2.6 + 8.1 > 10.2$ Δ
- ↳ convert to decimals

Jan 11-9:24 AM

Final
Wednesday
9:15-10:15
Bring Calculator, Pencils, Eraser

Jan 11-9:29 AM



Jan 11-9:29 AM

$$m = \frac{y_2 - y_1}{x_2 - x_1} \quad (-6, 3) \text{ \& } (12, 9)$$

$x_1 \quad y_1 \quad \quad \quad x_2 \quad y_2$

$$m = \frac{9 - 3}{12 - (-6)}$$
$$= \frac{6}{12 + 6}$$
$$m = \frac{6}{18} \text{ or } \frac{1}{3}$$

Jan 11-1:43 PM