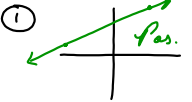


October 7, 2016

$(-8, -1)$ & $(5, 9)$

(1) 

(2) $m = \frac{(9) - (-1)}{(5) - (-8)}$

$$= \frac{9+1}{5+8} = \frac{10}{13}$$

$(-8, -1)$ $(-8+13, -1+10) = (5, 9)$

$(-8-13, -1-10) = (-21, -11)$

Oct 7-9:59 AM

(3) $y = \boxed{m}x + b$

$(9) = \frac{10}{13}(5) + b \rightarrow$ solve for "b"

(a) $9 = \frac{50}{13} + b$

$$117 = 50 + 13b$$

$$67 = 13b$$

$$\frac{67}{13} = b$$

(b) $9 = \frac{50}{13} + b$

$$\frac{9}{1} - \frac{50}{13} = b$$

$$\frac{117 - 50}{13}$$

$$\frac{67}{13} = b$$

Oct 7-10:25 AM

(4) $y = \frac{10}{13}x + \frac{67}{13}$

y-int: $(0, \frac{67}{13})$

Oct 7-10:43 AM