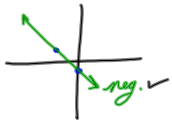
August 31, 2016

* math Jam Fridays start this week!

Aug 31-10:58 AM

#17) $(-3, 2)$ & $(0, -1)$ (x_1, y_1 and x_2, y_2)



① $m = \frac{-1-2}{0-(-3)} = \frac{-3}{3} = \frac{-1}{1}$

② $y - y_1 = m(x - x_1)$

$y - (2) = -1(x - (-3))$

$y - 2 = -1(x + 3)$

$y - 2 = -x - 3$

$+x \quad +2 \qquad +x \quad +2$

$x + y = -1$

Aug 31-11:14 AM

Aug 31-11:42 AM

$m = \frac{y_2 - y_1}{x_2 - x_1} = \frac{(-1) - (2)}{(0) - (-3)}$

$= \frac{(-1) + (-2)}{0 + 3} = \frac{-3}{3}$

$= -1$

Aug 31-11:17 AM

$y - \frac{3}{7} = -\frac{3}{4}\left(x + \frac{1}{2}\right)$

56 $\left(y - \frac{3}{7} = -\frac{3}{4}x - \frac{3}{8}\right)$

$56y - 24 = -42x - 21$

$42x + 56y = 3$

Aug 31-11:24 AM

$y + 5 = \frac{3}{5}(x - 2)$

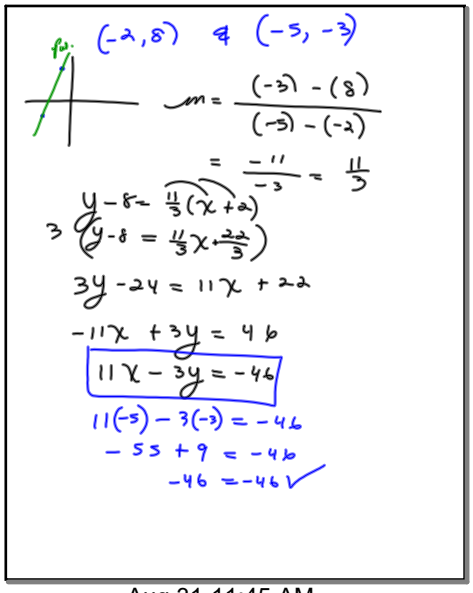
5 $\left(y + 5 = \frac{3}{5}x - \frac{6}{5}\right)$

$5y + 25 = 3x - 6$

$-1\left(-3x + 5y = -31\right)$

$3x - 5y = 31$

Aug 31-11:42 AM



Aug 31-11:45 AM