

Bell Work

4/17/2015

What is the slope and y-intercept of the following line?

$$3x - 9y = 18$$

$$\begin{array}{cc} -3x & -3x \end{array}$$

$$\frac{-9y}{-9} = \frac{-3x + 18}{-9}$$

$$y = \frac{-3}{-9}x + \frac{18}{-9}$$

$$y = \frac{1}{3}x - 2$$

$$m = \underline{\frac{1}{3}} \quad b = \underline{-2}$$

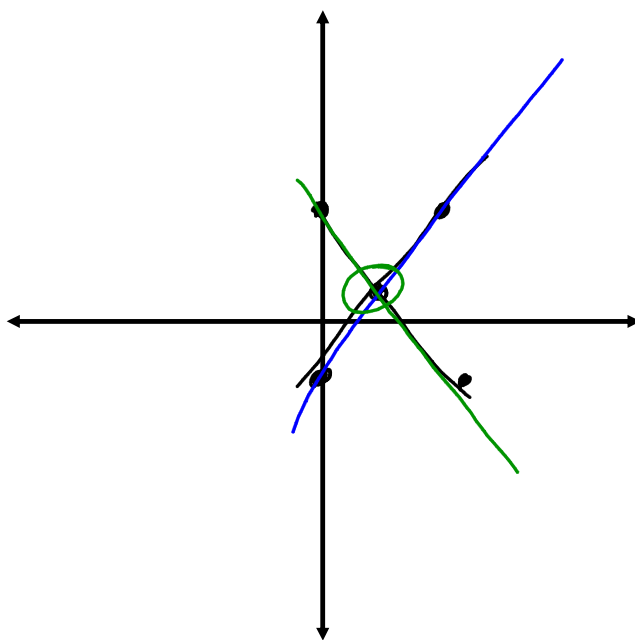
Please pass your bell work forward

Graphing a System of Equations

$$y = -\frac{3}{2}x + 4$$

$$y = \frac{3}{2}x - 2$$

$(2, 1)$

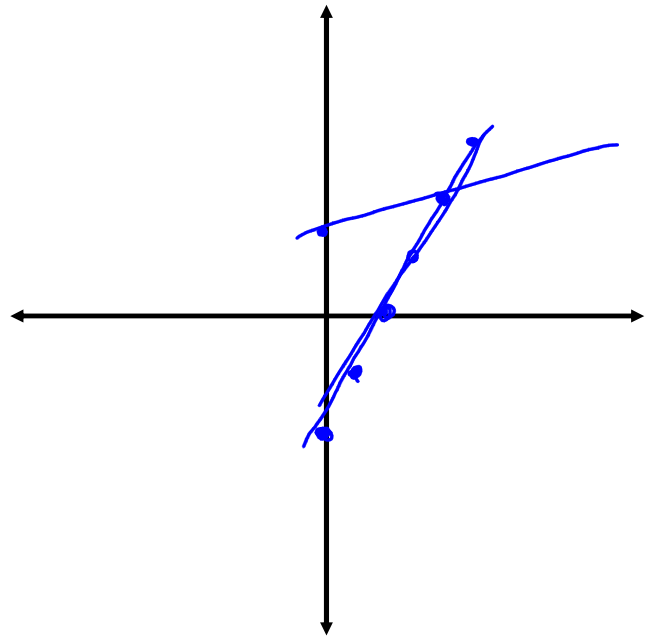


Graphing a System of Equations

$$y = 2x - 4$$

$$y = \frac{1}{4}x + 3$$

$$\underline{(4, 4)}$$



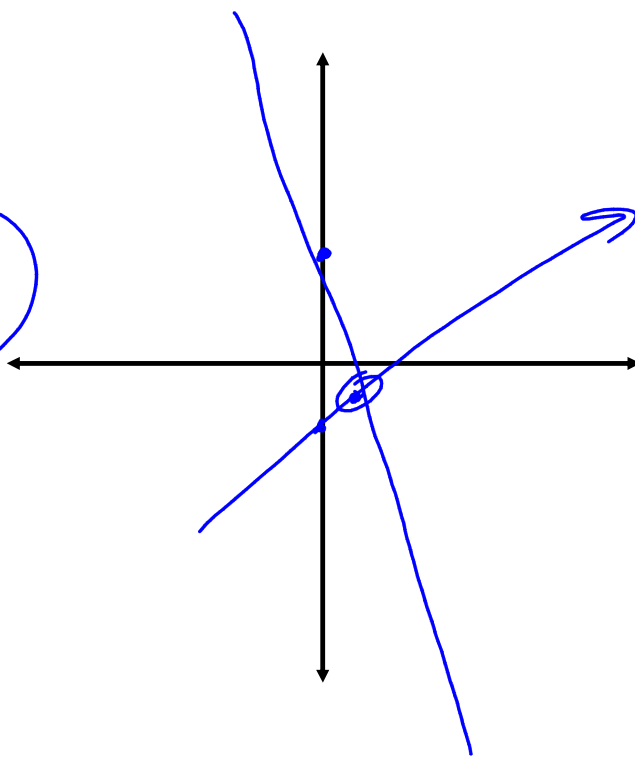
Graphing a System of Equations

$$\begin{array}{r} 5x + y = 4 \\ -5x \quad -5x \\ \hline y = -5x + 4 \end{array}$$

$$\begin{array}{r} x + y = 2 \\ -x \quad -x \\ \hline -y = -x + 2 \\ -1 \quad -1 \\ \hline y = x - 2 \end{array}$$

$$\boxed{y = x - 2}$$

(1, -1)



Graphing a System of Equations

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

$$\begin{array}{r} 5x - 4y = 12 \\ -5x \qquad -5x \\ \hline -4y = -5x + 12 \\ \frac{-4y}{-4} = \frac{-5x + 12}{-4} \\ y = \frac{5}{4}x - 3 \end{array}$$

