

After you turn in the quiz take the sheet of paper and begin working on it.

1. Find the slope and the y-intercept of this line: $12x - 15y = 75 - 12x$

$$y = \frac{-15y = 75 - 12x}{-15} \quad \frac{-12x}{-15}$$

$$y = -5 + \frac{4}{5}x$$

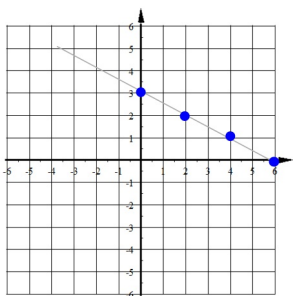
2. Use this equation: $4x + 8y = 24$

a) Rewrite this equation into Slope-Intercept Form

c) Use the graph to identify the two intercepts:

$$x\text{-int} = 6 \quad y\text{-int} = 3$$

b) Use your answer to part a) to graph this line.



$$4x + 8y = 24$$

$$\frac{8y}{8} = \frac{24 - 4x}{8}$$

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