

Slope-Intercept Form: $y = mx + b$

Convert to Slope-Intercept Form:

$$\begin{array}{r} 2x + 3y = 15 \\ \underline{-2x} \quad \underline{-2x} \end{array}$$

$$3y = -2x + 15$$

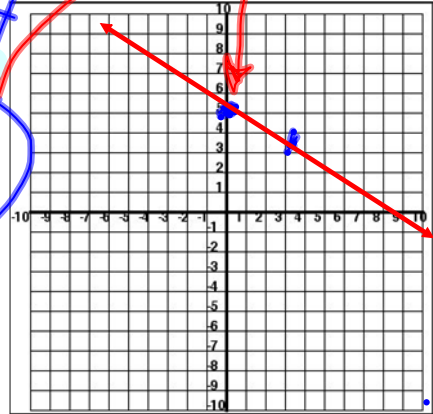
$$y = -\frac{2}{3}x + 5$$

Slope:

$m = -\frac{2}{3}$

Y-Int:

$b = 5$



Down 2
right 3

Start
from y-int

$$2y - 8x = -24$$

$$\begin{array}{r} 2y - 8x = -24 \\ \underline{+8x} \quad \underline{+8x} \end{array}$$

$$2y = 8x - 24$$

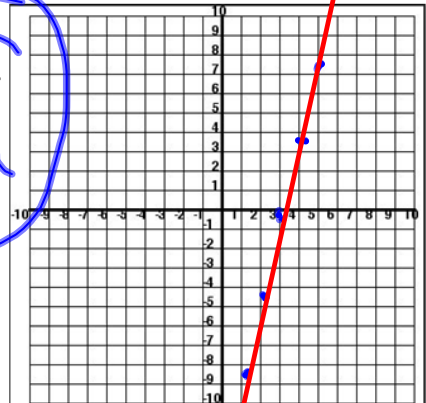
$$y = 4x - 12$$

Slope:

$m = 4$

Y-Int.:

$b = -12$



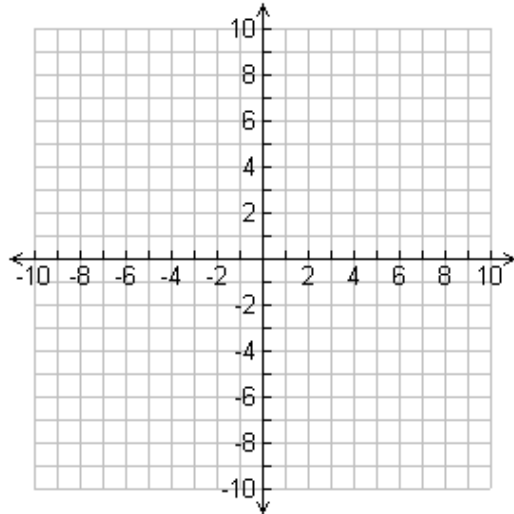
Up 4
right 1

Not like terms

Name: _____

Solve $3x + 4y = 8$ for y . $y =$ _____The y -intercept is: _____

The slope is: _____



Name _____

Exit Ticket 1

- Solve for y :

$$3x + 5y = 15$$

$$8x + 7y = 56$$