

March 3, 2017

x	y
-3	0
0	3

$$7x + 3y = 0$$

$$7(0) + 3y = 0$$

$$3y = 0$$

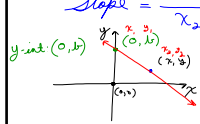
$$\frac{3y}{3} = \frac{0}{3}$$

$$y = 0$$

Mar 3-9:02 AM

3.4

Slope = $\frac{y_2 - y_1}{x_2 - x_1}$



$$m = \frac{y - b}{x - 0}$$

$$m = \frac{y - b}{x}$$

solve for y

DCD: x

$$mx = y - b$$

Sub of y

$$mx + b = y$$

$y = m x + b$

Slope-Intercept Form

slope y -int: $(0, b)$

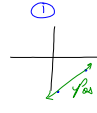
$$y = 3x + 5$$

y -int: $(0, 5)$

$m = 3$

Mar 3-9:11 AM

$(8, -3)$ & $(2, -11)$

① 

② $m = \frac{(-11) - (-3)}{(2) - (8)}$

$$= \frac{-11 + 3}{-6}$$

$$= \frac{-8}{-6} = \frac{4}{3}$$

③ $y = mx + b$

$-3 = \frac{4}{3}(8) + b$; solving for b

$$-3 = \frac{32}{3} + b$$

$$-\frac{3}{1} - \frac{32}{3} = \frac{32}{3} + b - \frac{32}{3}$$

$$\frac{-9 - 32}{3} = b$$

$y = \frac{4}{3}x - \frac{41}{3}$

④ Check $(2, -11)$

$$-11 = \frac{4}{3}(2) - \frac{41}{3}$$

$$-11 = \frac{8}{3} - \frac{41}{3}$$

$$-11 = \frac{8 - 41}{3}$$

$$-11 = \frac{-33}{3}$$

$$-11 = -11$$

Mar 3-9:27 AM

$(-5, 3)$ & $(-6, 9)$

* Do all four steps!

- ① simple graph
- ② slope
- ③ equation
- ④ Check

Mar 3-9:41 AM

Do 3.4

Mar 3-9:52 AM