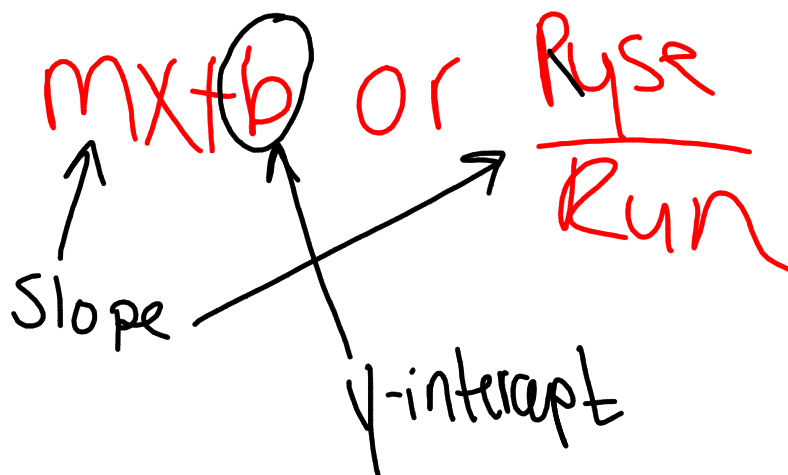


Bell Work

4/6/2015

1. What did you do over spring break?
2. How do you find slope?



1.

Write an equation that has a slope of -7 and passes through the point (0,8).

$$\text{Slope} = -7$$

$$y = mx + b$$

$$y = -7x + 8$$

2. Create a table for a linear function that has a slope of -4.

$$\text{Slope} = \frac{\text{Change in } y}{\text{Change in } x} = \frac{-4}{1}$$

X	Y
6	0
7	-4
8	-8
9	-12

3. Find the slope of the following:

a.

$$6x - 2y = 9$$

-6x *-6x*

$$\frac{-2y}{-2} = \frac{-6x + 9}{-2}$$

$$y = \frac{-6}{-2}x + \frac{9}{-2}$$

$$y = 3x - \frac{9}{2}$$

$$\text{Slope} = 3$$

b.

X	Y
-5	-3
-3	-3
-1	-3
1	-3
3	-3
5	-3

$$\frac{\text{Change } y}{\text{Change } x} = \frac{0}{2}$$

$$\text{Slope} = 0$$

4.

Find the slope and y-intercept of the following equation and graph

$$\begin{aligned}x - 3y &= 6 \\ -x \quad \quad -x \\ -3y &= -x + 6 \\ \frac{-3y}{-3} &= \frac{-x + 6}{-3} \\ y &= \frac{1}{3}x - 2\end{aligned}$$

