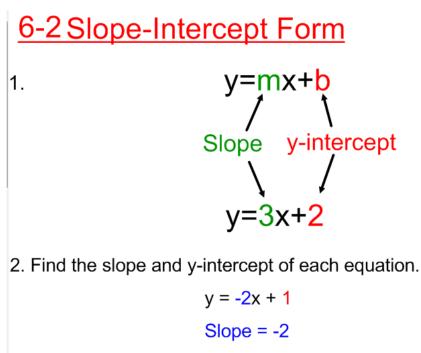
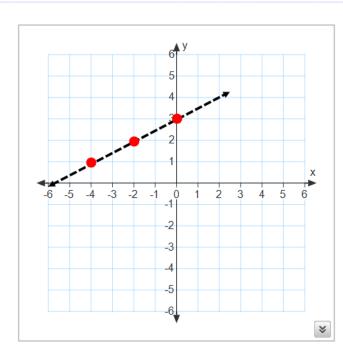
## Algebra I



3. Write an equation of a line with the given slope and y-intercept.

Given:  $m = \frac{3}{4}$ , b = 2  $y = \frac{3}{4}x + 2$ 

4. Write a slope-intercept form of the equation for each line.



## y = mx + b

1. Where does the line cross the y-axis?

y = mx + 3

2. From the bottom point, how far do you rise and run?

rise: 1  
run: 2  

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

Algebra I

To graph:

1. Start with y-intercept (b)

\*\*It tells you where to put the first dot on the y-axis.

2. Look at the slope (m). If it is a whole number make it a fraction by putting the whole number over 1. Ex:  $5 \rightarrow \frac{5}{2} \rightarrow \frac{\text{rise } 5}{2}$ 

