

Objective: Given an equation in slope intercept form students will identify the slope and y-intercept and use these key features to graph the equation of a line.

SLOPE-INTERCEPT FORM

$$y = \underline{m}x + \underline{b}$$

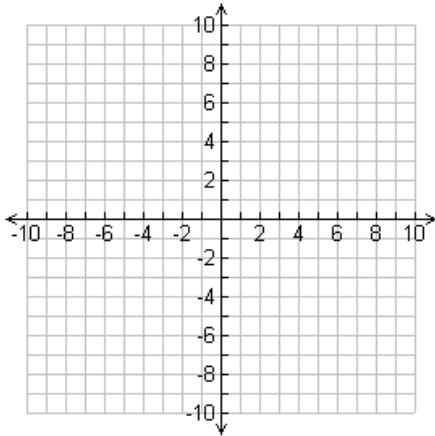
Slope

y-intercept

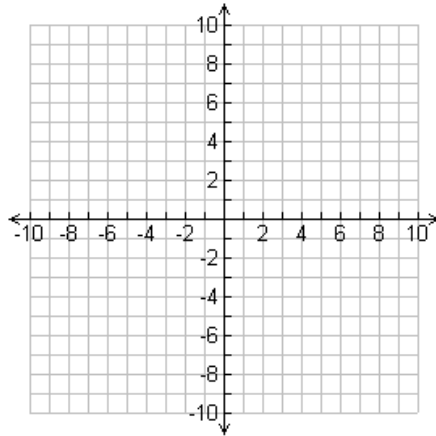
4 Types of Slope/Graphs:

GRAPHING LINEAR EQUATIONS

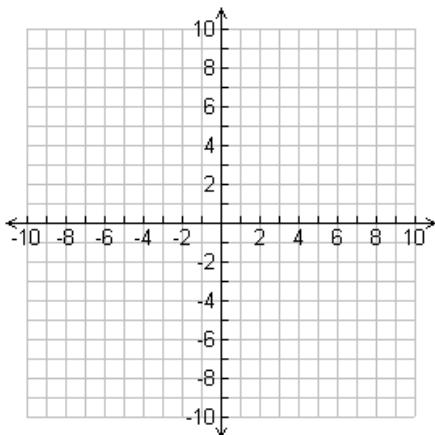
1. $y = 5x - 8$



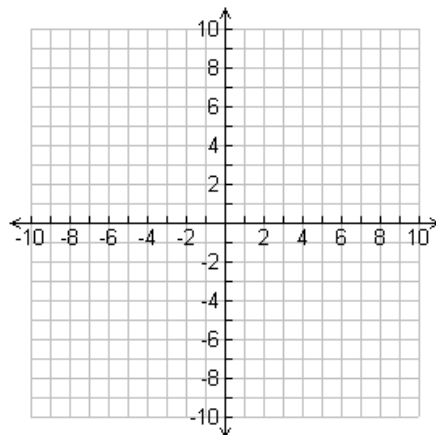
2. $y = \frac{1}{2}x + 3$



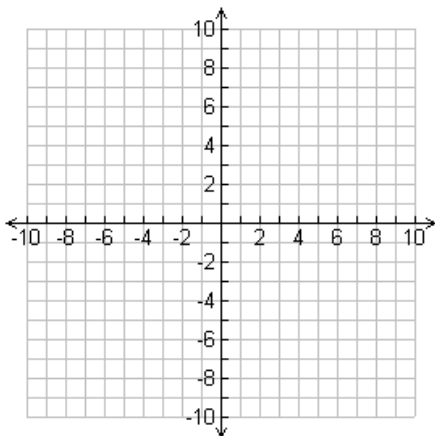
3. $y = -x - 1$



4. $y = -\frac{1}{4}x + 5$



5. $y = -3$



6. $x = 6$

