

Algebra
Slope-Intercept Form

Name: _____
Date: _____

Find the slope and y-intercept of each equation.

1. $y = \frac{2}{3}x + 2$ $m =$ _____ $b =$ _____ 2. $y = 2x - 3$ $m =$ _____ $b =$ _____

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

3. $m = \frac{1}{3}, b = 3$ 4. $m = -\frac{5}{2}, b = -6$ 5. $m = -.5, b = 2$

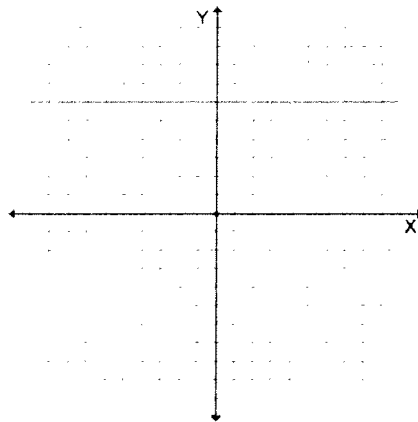
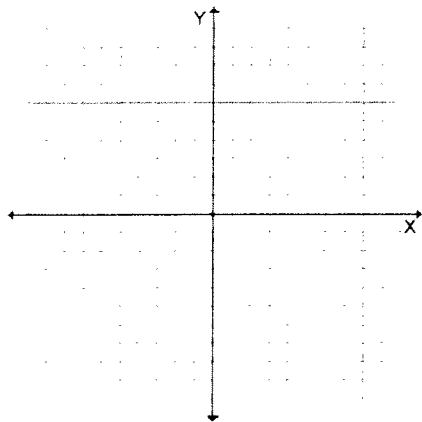
Identify the slope and y-intercept of each equation. Then graph the equation.

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

7. $y = 2x - 3$

Slope = _____ y-intercept = _____

Slope = _____ y-intercept = _____

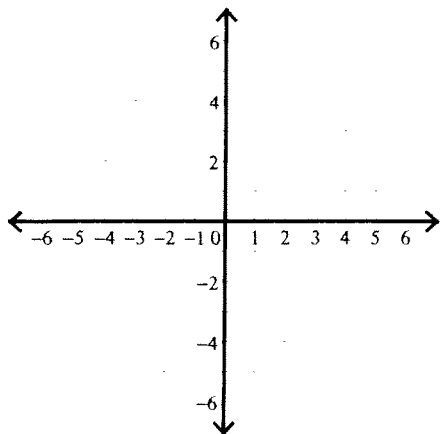


Graphing Lines

- ① Identify the slope and y-intercept and then.
 ② Sketch the graph of each line.

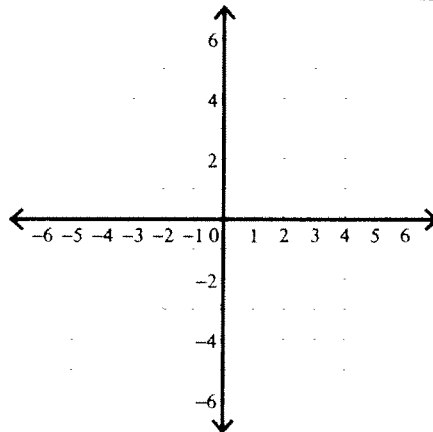
1) $y = -\frac{1}{5}x - 2$

Slope: _____
 y-int: _____



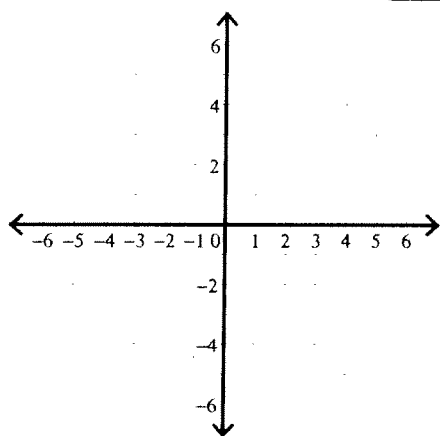
2) $y = -5x - 1$

Slope: _____
 y-int: _____



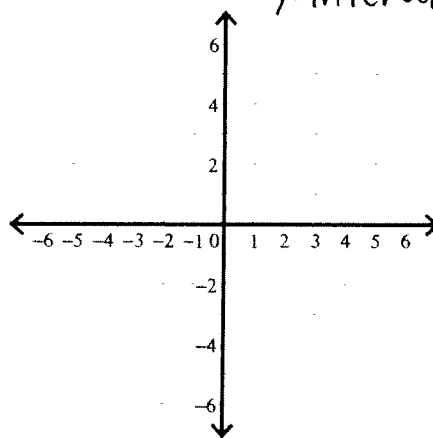
3) $y = -\frac{5}{2}x$

Slope: _____
 y-intercept: _____



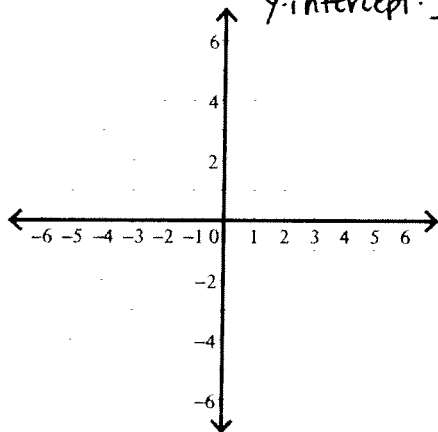
4) $y = -7x + 3$

Slope: _____
 y-intercept: _____



5) $y = 2x - 5$

Slope: _____
 y-intercept: _____



6) $y = -6x + 1$

Slope: _____
 y-intercept: _____

