

**Slope-Intercept Form Worksheet #1**

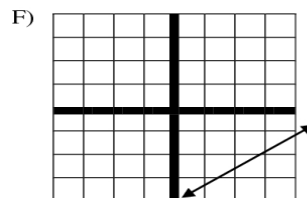
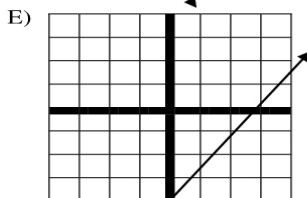
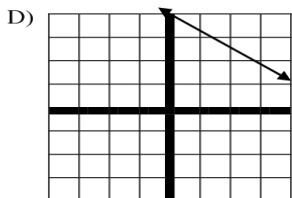
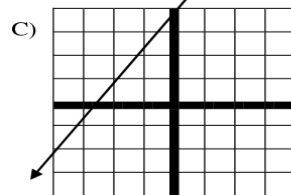
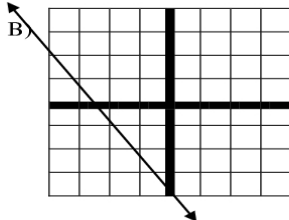
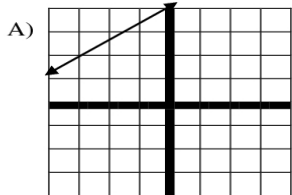
**Remember:**

Slope Intercept Form of a Line is when an equation is written:  $y = mx + b$

$m$  is the SLOPE and tells you how to **move**.

$b$  is the **y-intercept** and tells you where to **begin**

**DIRECTIONS:** Write the letter of the graph that matches the equation.



\_\_\_\_ 1)  $y = \frac{2}{3}x + 4$

\_\_\_\_ 2)  $y = -\frac{2}{3}x - 4$

\_\_\_\_ 3)  $y = \frac{2}{3}x - 4$

\_\_\_\_ 4)  $y = -\frac{2}{3}x + 4$

\_\_\_\_ 5)  $y = \frac{2}{3}x + 4$

\_\_\_\_ 6)  $y = \frac{2}{3}x - 4$

**DIRECTIONS:** For each problem, name the slope and the y-intercept. Then graph the problem on a sheet of graph paper. Use a separate coordinate-plane for each problem.

7)  $y = 2x + 1$

8)  $y = \frac{4}{3}x - 7$

9)  $y = -\frac{1}{3}x + 9$

10)  $y = -4x + 15$