

Lesson 1: Are You Ready?

1. What is a function?
2. Identify whether or not the following relations are functions.
 - a. $y = 5x + 24$
 - b. $x = -3$
 - c. $y = -3$
3. State the slope and the y -intercept of each of the following lines. Then sketch the graph of each line.
 - a. $y = 3x + 1$
 - b. $y = \frac{1}{2}x - 1$
 - c. $y = -\frac{4}{3}x + 3$
4. Rewrite each equation in slope-intercept form. Then find the value of y when $x = 3$.
 - a. $5x - y + 1 = 0$
 - b. $2x + y - 4 = 0$
 - c. $x + 2y + 10 = 0$