

Name: _____

Date: _____

Slope and y-intercept from $y = mx + b$

$$\text{Slope} = \text{rise} \div \text{run} = (y_2 - y_1) \div (x_2 - x_1).$$

1. Find the slope and the y-intercept of $y = 6x - 6$.

Answer: _____

2. Find the slope and the y-intercept of $y = 4x + 1$.

Answer: _____

3. Find the slope and the y-intercept of $y = -5x - 2$.

Answer: _____

4. Find the slope and the y-intercept of $y = -2x + 1$.

Answer: _____

5. Find the slope and the y-intercept of $y = -6x - 5$.

Answer: _____

6. Find the slope and the y-intercept of $y = -2x - 9$.

Answer: _____

7. Find the slope and the y-intercept of $y = -5x + 9$.

Answer: _____

8. Find the slope and the y-intercept of $y = -4x + 2$.

Answer: _____

9. Find the slope and the y-intercept of $y = 6x - 9$.

Answer: _____

10. Find the slope and the y-intercept of $y = 5x - 1$.

Answer: _____

Slope and Linear Equations: Answer Key

- | | | | |
|----------------------------------|----------------------------------|---------------------------------|----------------------------------|
| 1. slope 6, y-intercept -6 | 4. slope -2 , y-intercept 1 | 7. slope -5 , y-intercept 9 | 10. slope 5 , y-intercept -1 |
| 2. slope 4 , y-intercept 1 | 5. slope -6 , y-intercept -5 | 8. slope -4 , y-intercept 2 | |
| 3. slope -5 , y-intercept -2 | 6. slope -2 , y-intercept -9 | 9. slope 6 , y-intercept -9 | |