

Name: _____

Date: _____

Write $y = mx + b$

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

1. Write the equation of the line with slope 3 and y-intercept -3 in the form $y = mx + b$.

Answer: _____

2. Write the equation of the line with slope 4 and y-intercept -1 in the form $y = mx + b$.

Answer: _____

3. Write the equation of the line with slope -3 and y-intercept 4 in the form $y = mx + b$.

Answer: _____

4. Write the equation of the line with slope 4 and y-intercept -6 in the form $y = mx + b$.

Answer: _____

5. Write the equation of the line with slope 4 and y-intercept -2 in the form $y = mx + b$.

Answer: _____

6. Write the equation of the line with slope 2 and y-intercept 3 in the form $y = mx + b$.

Answer: _____

7. Write the equation of the line with slope -1 and y-intercept 8 in the form $y = mx + b$.

Answer: _____

8. Write the equation of the line with slope -4 and y-intercept -7 in the form $y = mx + b$.

Answer: _____

9. Write the equation of the line with slope 5 and y-intercept -2 in the form $y = mx + b$.

Answer: _____

10. Write the equation of the line with slope 2 and y-intercept -6 in the form $y = mx + b$.

Answer: _____

Slope and Linear Equations: Answer Key

1. $y = 3x - 3$

2. $y = 4x - 1$

3. $y = -3x + 4$

4. $y = 4x - 6$

5. $y = 4x - 2$

6. $y = 2x + 3$

7. $y = -x + 8$

8. $y = -4x - 7$

9. $y = 5x - 2$

10. $y = 2x - 6$