

**WRITING THE EQUATIONS OF LINES GIVEN 2 POINTS - DAY 1**

Write the equation of the line in slope-intercept form using the information given.

1. (0, 7) and (1, 9)

Equation: \_\_\_\_\_

2. (-3, 4) and (3, -4)

Equation: \_\_\_\_\_

3. Slope of 5 and a y-intercept of -2

Equation: \_\_\_\_\_

4. (-3, 1) and (0,10)

Equation: \_\_\_\_\_

5. (7, 8) and (6, 9)

Equation: \_\_\_\_\_

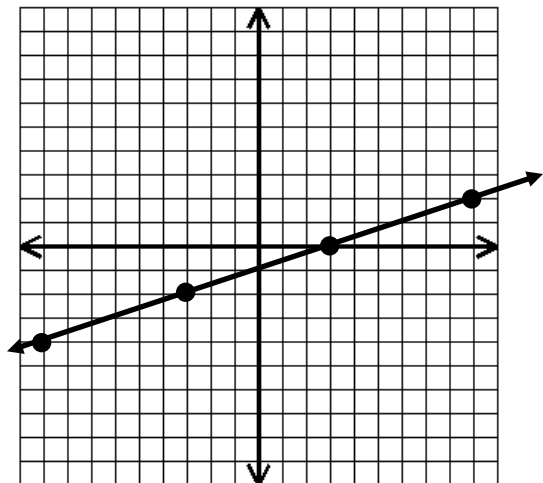
6. (3, -1) and (6, 7)

Equation: \_\_\_\_\_

7. Slope of -4 and passes through the point (-5, 1)

Equation: \_\_\_\_\_

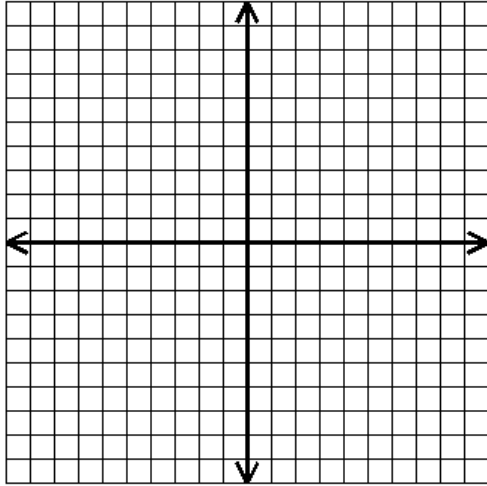
8.



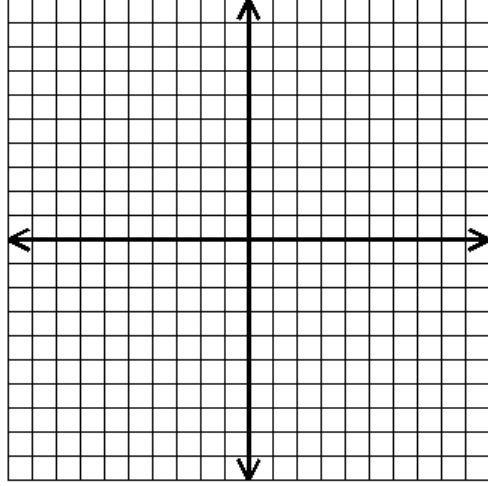
Equation: \_\_\_\_\_

**REVIEW PROBLEMS**

9. Sketch the graph of  $y = -9$



10. Sketch the graph of  $x = -4$



11. \_\_\_\_\_

Which function has  $(-2, 3)$  on its graph?

A.  $2x - y = 1$

C.  $-2x + 2y = 1$

B.  $y = -2x - 1$

D.  $y = 2x + 1$

12. \_\_\_\_\_

Consider the function  $f(x) = -2x + 5$ . What is  $f(-6)$ ?

A. -17

C. 7

B. -7

D. 17

13. Solve  $2x + 8 = 5x + 17$

Answers in random order (except #9 & 10):

$y = 2x + 7$ ,  $y = -x + 15$ , B,  $y = 5x - 2$ , -3,

$y = -\frac{4}{3}x$ ,  $y = -4x - 19$ , D,  $y = 3x + 10$ ,

$y = \frac{8}{3}x - 9$ ,  $y = \frac{1}{3}x - 1$