

## Slope and Graphing Practice

Name \_\_\_\_\_

**Find the slope of the line passing through the given points.**

1.  $(2, 0), (-6, 8)$

2.  $(9, 1), (-9, -3)$

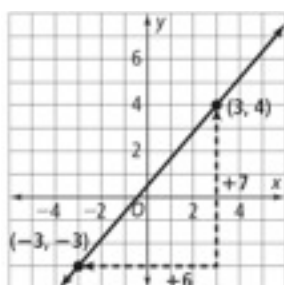
3.  $(-3, -1), (2, 8)$

4.  $(4, 6), (8, -2)$

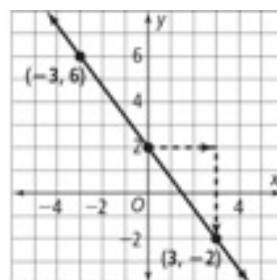
5.  $(-5, 4), (3, 6)$

6.  $(11, 2), (-1, 4)$

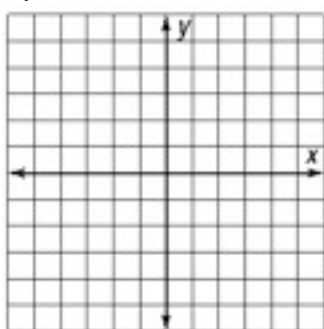
7.



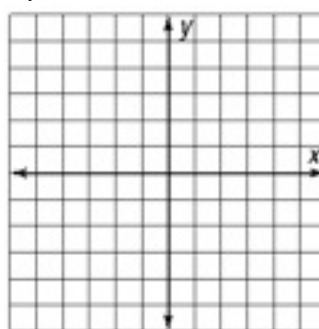
8

**Graph each line.**

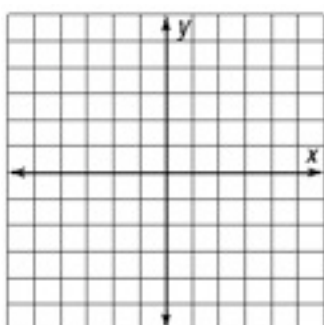
9.  $y = x - 4$



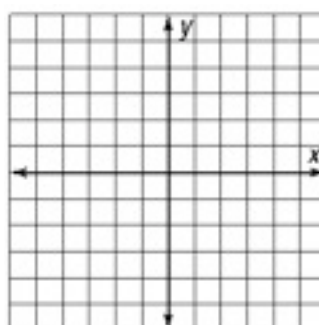
10.  $y = 2x + 3$



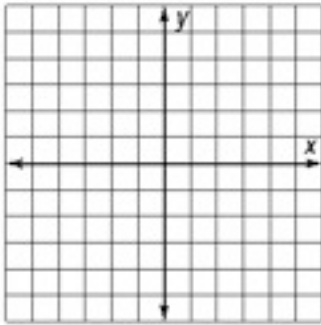
11.  $y = \frac{1}{4}x$



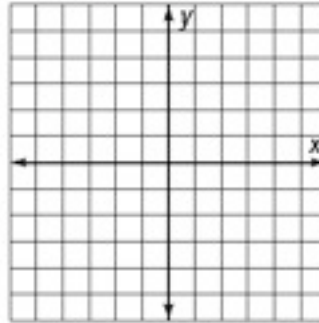
12.  $y = -\frac{3}{4}x - 1$



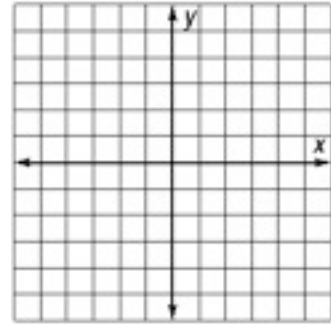
13.  $y = -4$



14.  $x = 3$



15.  $y = 5$



16. **Open-Ended** Write equations for three lines that contain the point  $(0, 2)$

17. A wireless phone company charges \$20 for a basic plan each month plus \$0.25/min for each call.

- Write an equation to show how much the company charges, where  $x$  is the number of minutes used and  $y$  is the total cost.
- Find the total cost for 300 minutes, 350 minutes, and 400 minutes.
- Graph the equation using the values for 300 and 400 minutes.