

OBJECTIVE: To graph and write an equation given the slope and y-intercept.

For questions 1 – 6, identify the slope and the y-intercept.

1.  $y = 5x - 1$

Slope: \_\_\_\_\_

y-int: \_\_\_\_\_

2.  $y = -3x$

Slope: \_\_\_\_\_

y-int: \_\_\_\_\_

3.  $y = x - 4$

Slope: \_\_\_\_\_

y-int: \_\_\_\_\_

4.  $y = 7 - \frac{1}{3}x$

Slope: \_\_\_\_\_

y-int: \_\_\_\_\_

5.  $y = -x$

Slope: \_\_\_\_\_

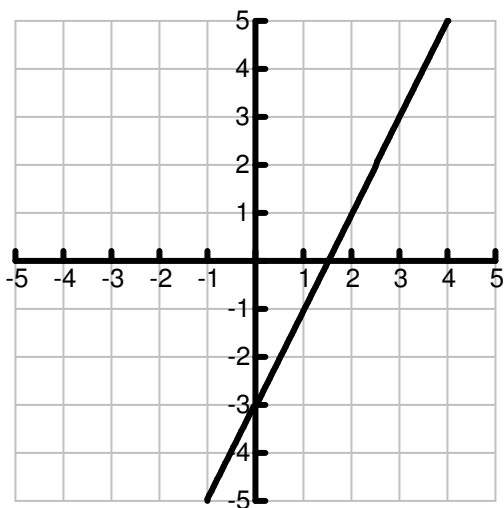
y-int: \_\_\_\_\_

6.  $y = \frac{4}{3} - 8x$

Slope: \_\_\_\_\_

y-int: \_\_\_\_\_

7. Write the equation of the given graph.

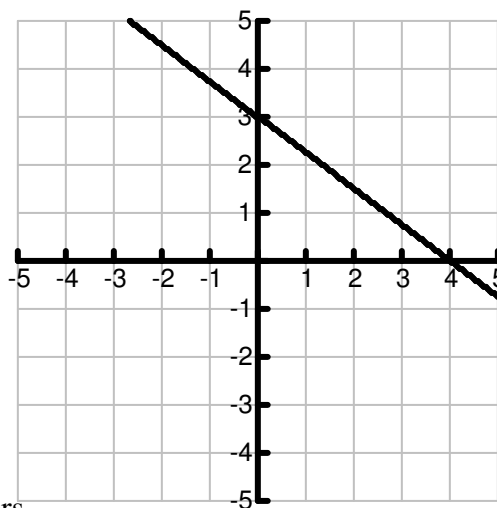


0                      -8                      7

-1

$$y = \frac{2}{3}x + 1$$

8. Write the equation of the given graph.



Jumbled Answers

-3                      5                      1                      0                      -4

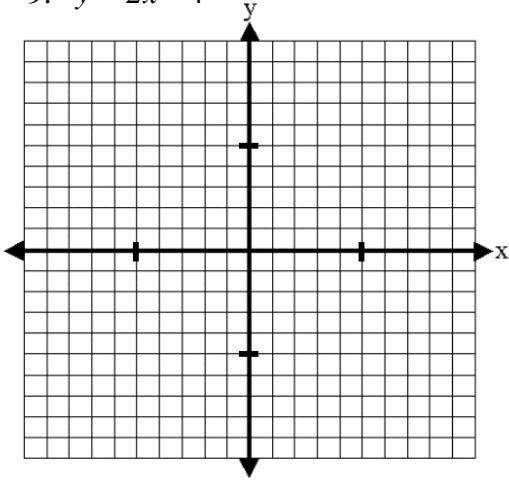
-1                       $\frac{-1}{3}$                        $\frac{4}{3}$                        $y = 2x - 3$

$$y = -\frac{3}{4}x + 3$$

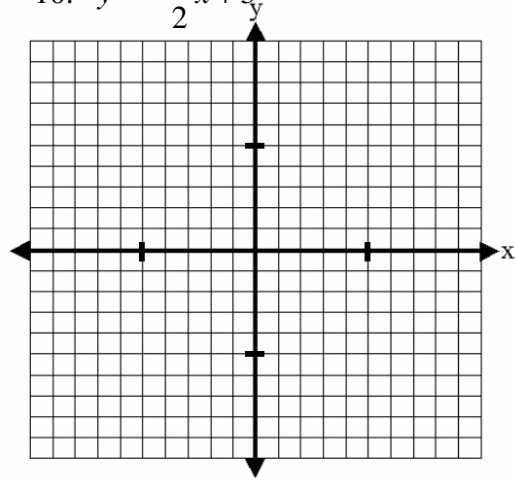
$$y = -4x - 2$$

For questions 9 – 12 , graph each equation.

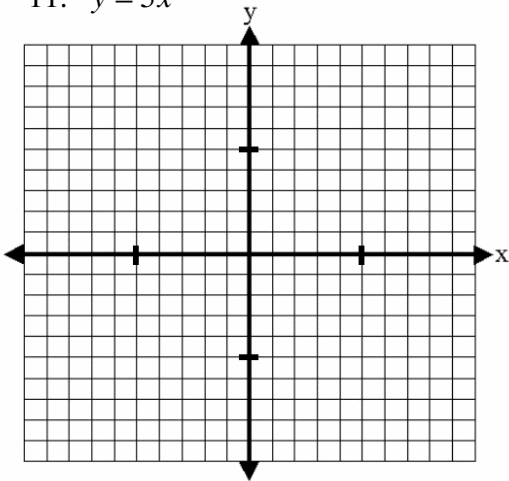
9.  $y = 2x - 4$



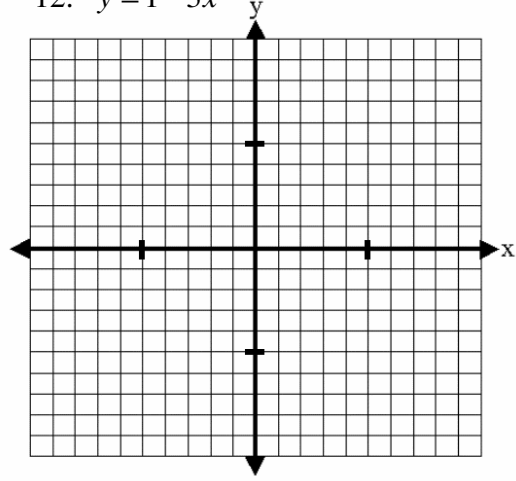
10.  $y = -\frac{1}{2}x + 3$



11.  $y = 5x$



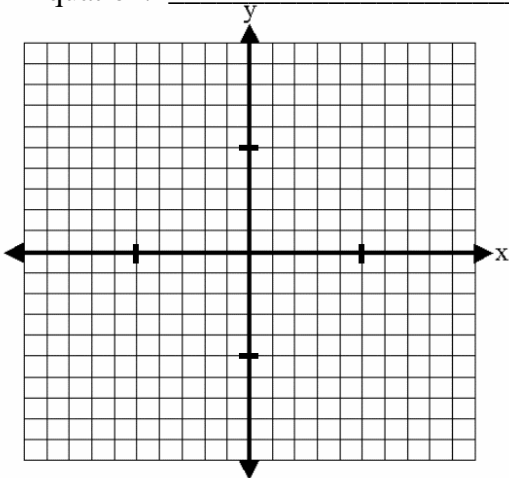
12.  $y = 1 - 3x$



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13. Write an equation and draw a graph given the slope is  $-4$  and the y-intercept is  $-2$ .

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



14. Write an equation and draw a graph given the slope is  $\frac{2}{3}$  and the y-intercept is  $1$ .

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

