

# 5-3 Practice

## Slope-Intercept Form

Form G

Find the slope and y-intercept of the graph of each equation.

1.  $y = 3x - 5$

$m =$

$b =$

2.  $y = -5x + 13$

$m =$

$b =$

3.  $y = -x - 1$

$m =$

$b =$

4.  $y = -11x + 6$

$m =$

$b =$

5.  $y = \frac{3}{4}x - 5$

$m =$

$b =$

6.  $y = \frac{1}{2}x + 6$

$m =$

$b =$

Write an equation of a line with the given slope  $m$  and y-intercept  $b$ .

7.  $m = -1, b = 3$

$y = \underline{\hspace{1cm}}x + \underline{\hspace{1cm}}$

8.  $m = 4, b = -2$

$y = \underline{\hspace{1cm}}x + \underline{\hspace{1cm}}$

9.  $m = -5, b = -8$

$y = \underline{\hspace{1cm}}x + \underline{\hspace{1cm}}$

10.  $m = 0.25, b = 6$

$y = \underline{\hspace{1cm}}x + \underline{\hspace{1cm}}$

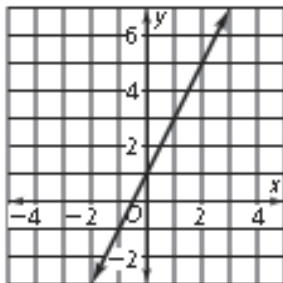
11.  $m = 0, b = -11$

$y = \underline{\hspace{1cm}}x + \underline{\hspace{1cm}}$

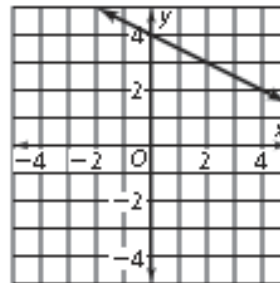
12.  $m = 1, b = -1$

$y = \underline{\hspace{1cm}}x + \underline{\hspace{1cm}}$

Write an equation in slope-intercept form of each line.



13.

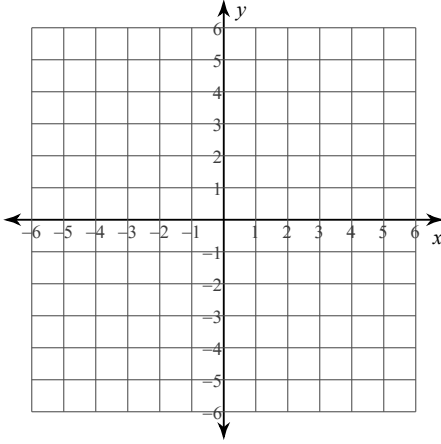


14.

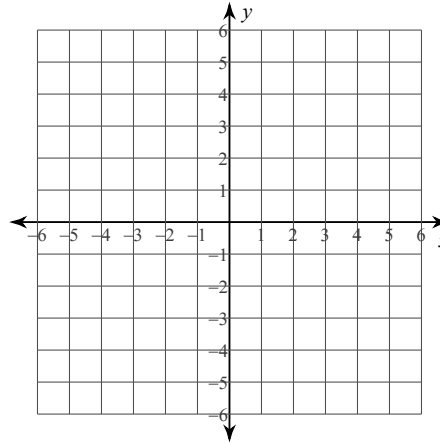
## Graphing Lines

Sketch the graph of each line.

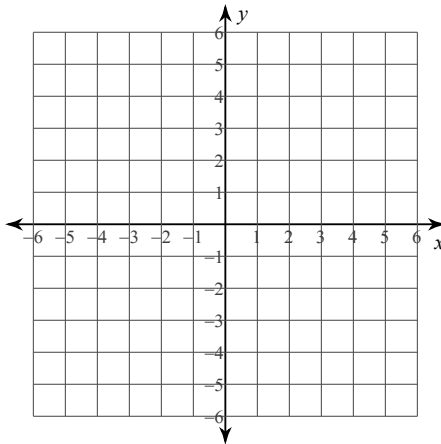
1)  $y = \frac{7}{2}x - 2$



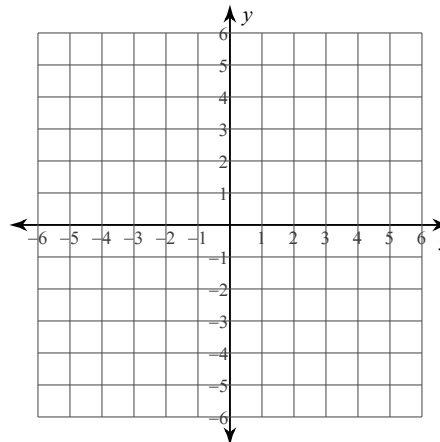
2)  $y = -6x + 3$



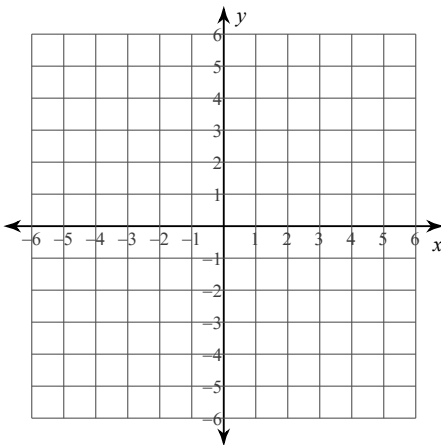
3)  $y = -5$



4)  $y = \frac{6}{5}x + 1$



5)  $y = \frac{1}{4}x + 2$



6)  $x = 5$

