

Name _____

Date _____ Class _____

Graphs and Slope/Y Intercept

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

1. $y = 6x + 4$
 $m =$ $b =$

2. $y = 3x + 1$
 $m =$ $b =$

3. $y = 2x - 3$
 $m =$ $b =$

4. $y = -2$
 $m =$ $b =$

5. $y = x + 8$
 $m =$ $b =$

6. $y = -x - 5$
 $m =$ $b =$

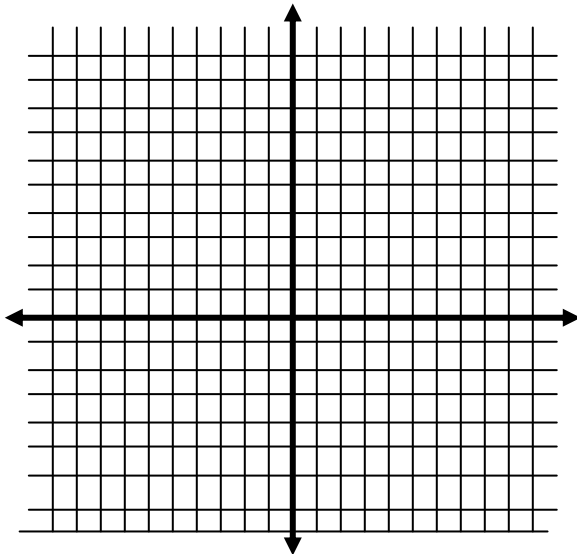
7. $x = 9$
 $m =$ $b =$

8. $y = 3x + 7$
 $m =$ $b =$

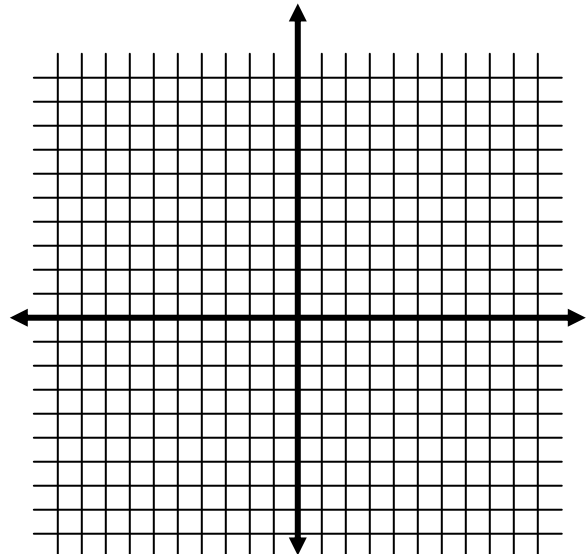
9. $y = -\frac{1}{2}x - 3$
 $m =$ $b =$

Graph the equation. (Remember to plot the y intercept first and use the slope to create additional points.)

10. $y = 3x + 1$
 $m =$

 $b =$ 

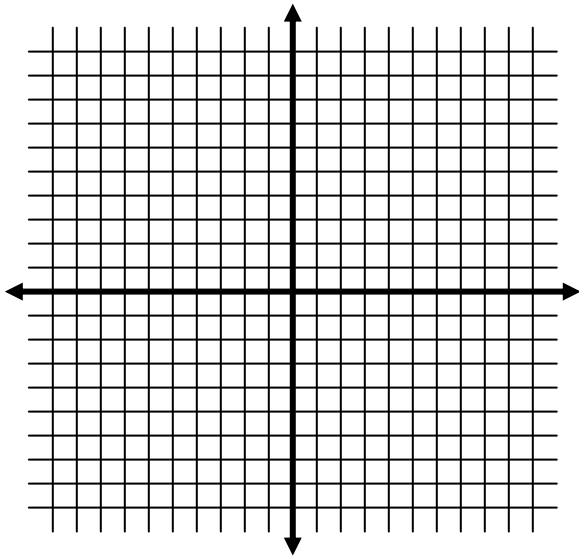
11. $y = x + 3$
 $m =$

 $b =$ 

12. $y = 2x - 1$

$m =$

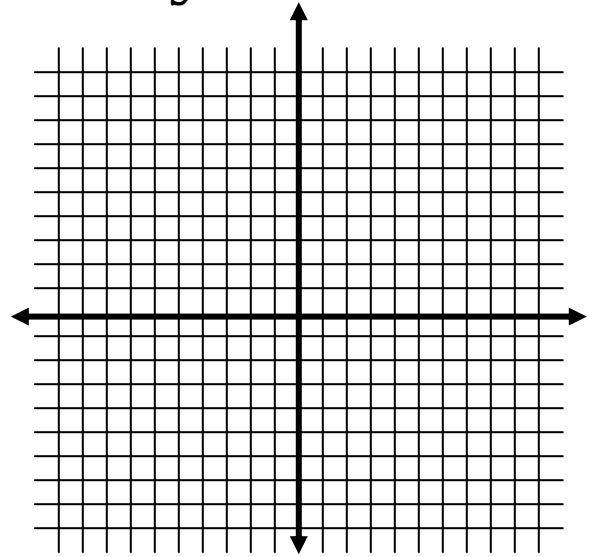
$b =$



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

$m =$

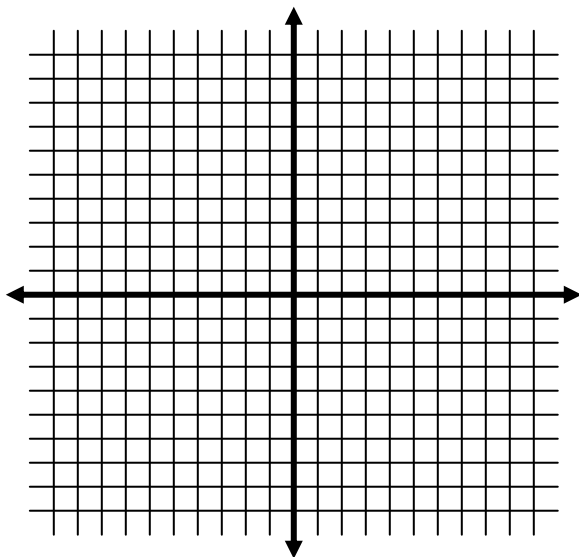
$b =$



14. $y = \frac{2}{3}x$

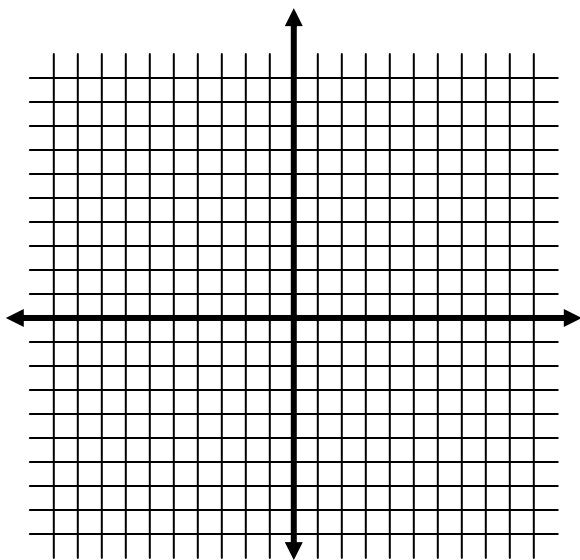
$m =$

$b =$

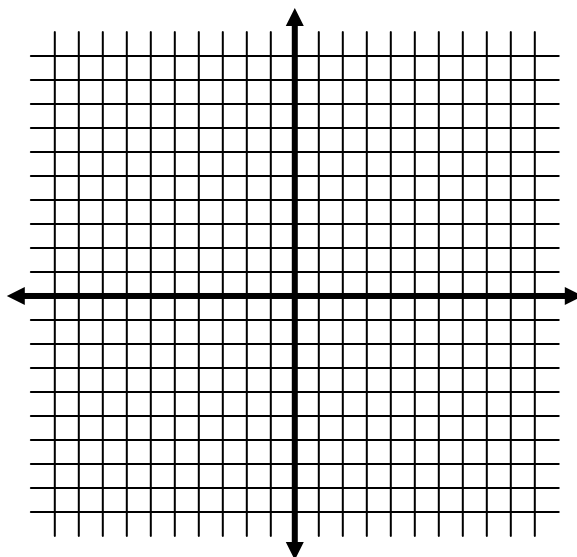


Put the equations into slope-intercept form ($y = mx + b$), then graph using the y intercept and slope.

15. $5x + y = -5$



16. $8x + 2y = -16$



17. $6y + 2x = 12$

