

HW 7.1 Slope Intercept Form

Convert to  $y=mx+b$ , then state the slope (m) and y-intercept (b) of each line.

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

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

3)  $3x + 2y = 4$

4)  $5x + 2y = -10$

5)  $x + 3y = 12$

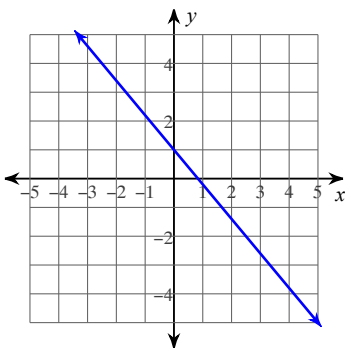
6)  $x + y = 0$

7)  $-12x - 15y + 15 = 0$

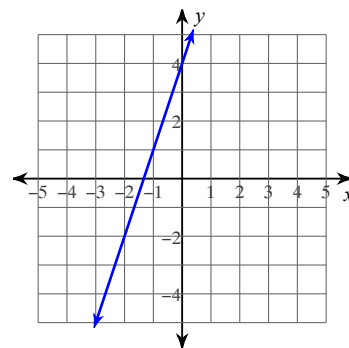
8)  $-6y - 18 = 9x$

State the slope and y-intercept, then write equation to the line.

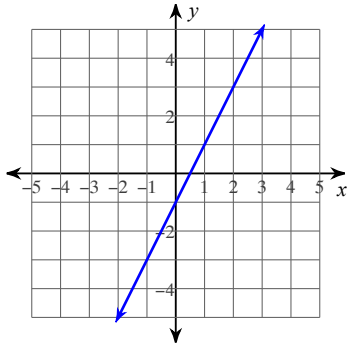
9)



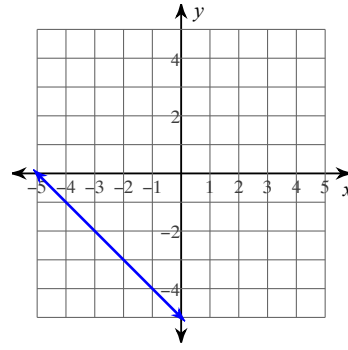
10)



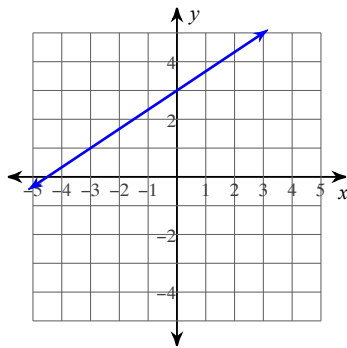
11)



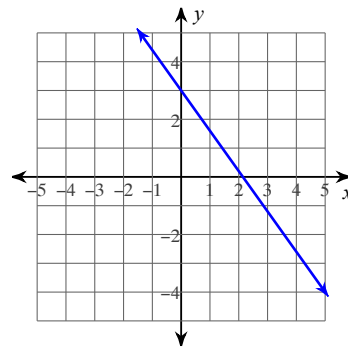
12)



13)

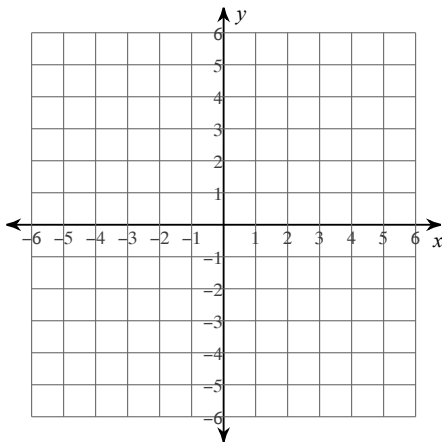


14)

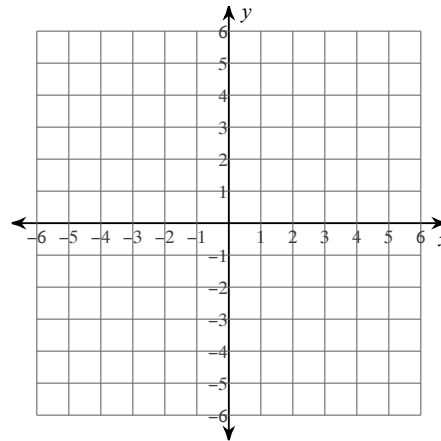


**Graph by plotting the y-intercept, then use the Rise/Run from the y-int.**

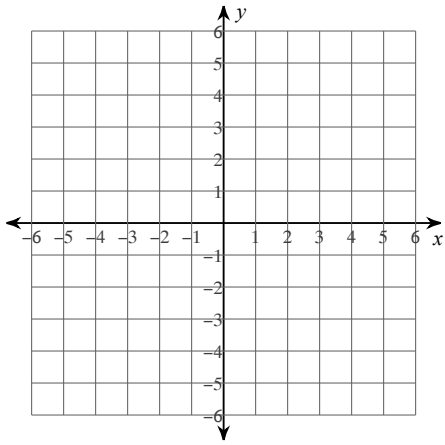
15)  $y = \frac{2}{3}x + 2$



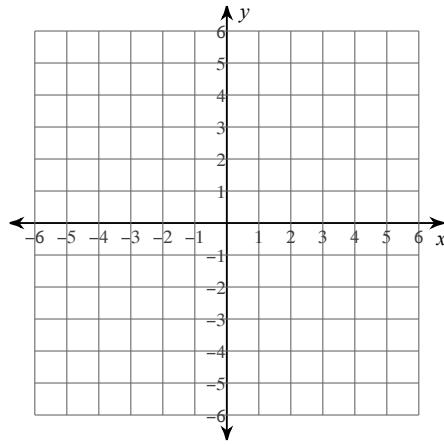
16)  $y = -2x + 2$



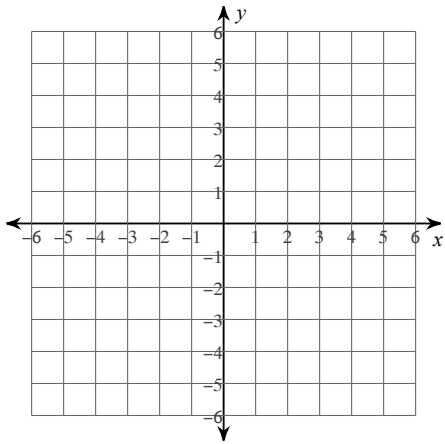
17)  $3x - 4y = 8$



18)  $x - 2y = -2$



19)  $2x = -10y + 40$



20)  $-15 - 5y = -8x$

