

Homework #1: Slope Intercept Form Part 1

Due Date _____ 5K _____

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) $x + 3y = 12$

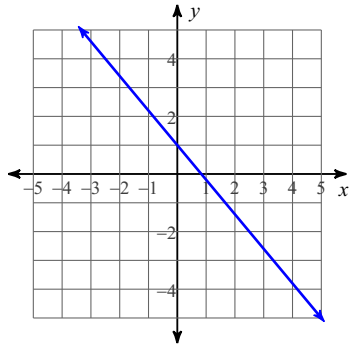
6) $x + y = 0$

7) $-\frac{9}{2} - \frac{9}{8}y = -3x$

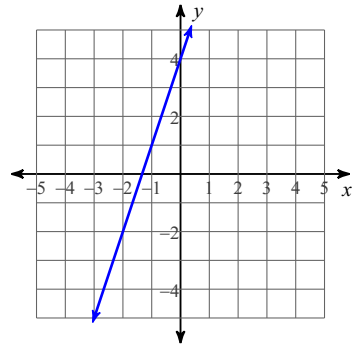
8) $-6y - 18 = 9x$

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

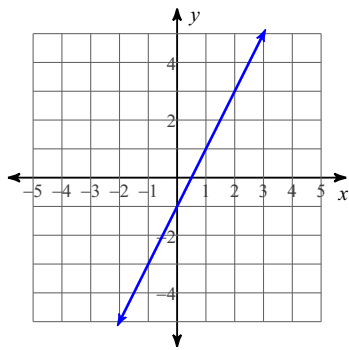
9)



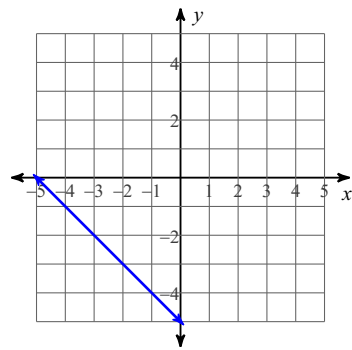
10)



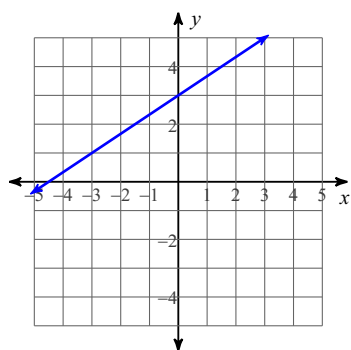
11)



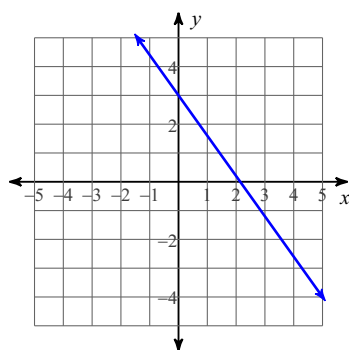
12)



13)

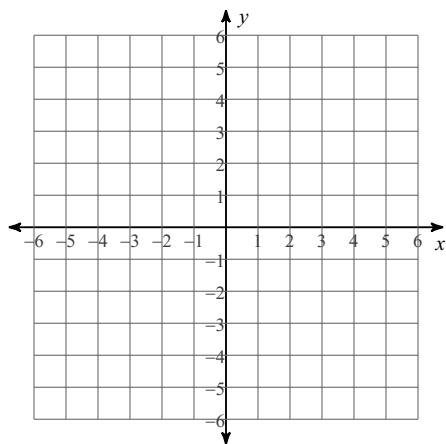


14)

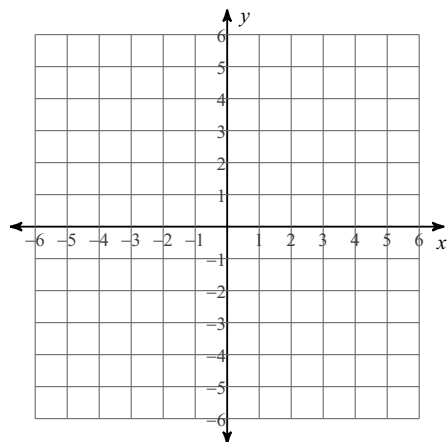


Graph by plotting the y-intercept, then use the Rise/Run from the y-int.

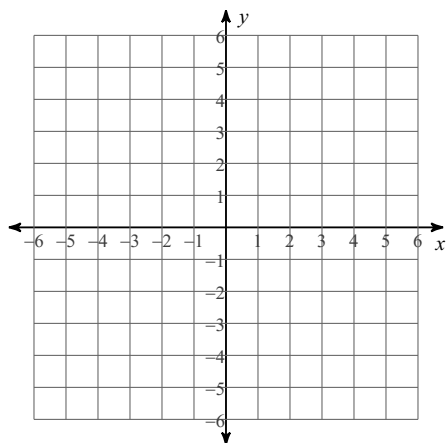
$$15) y = \frac{2}{3}x + 2$$



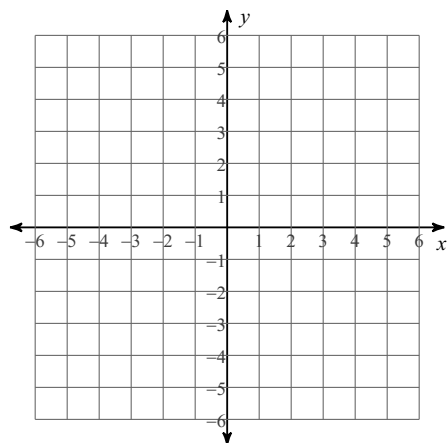
$$16) y = -x$$



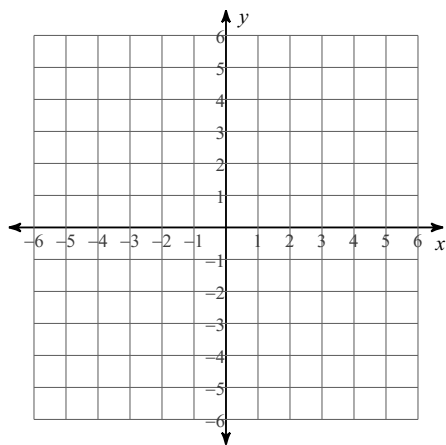
17) $3x - 4y = 8$



18) $x - 2y = -2$



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



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

