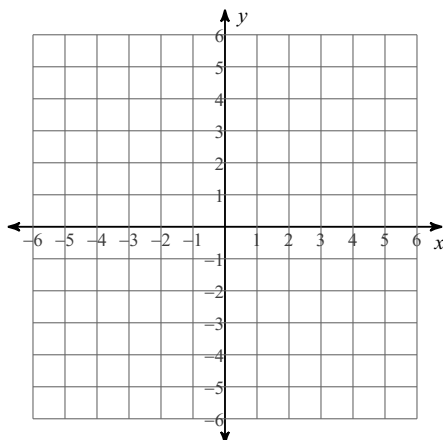


Graphing $y = mx + b$

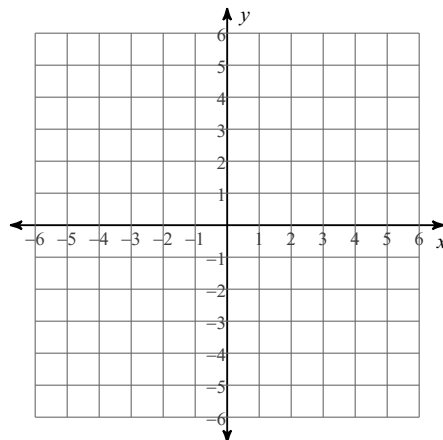
Date _____ Period _____

Sketch the graph of each line.

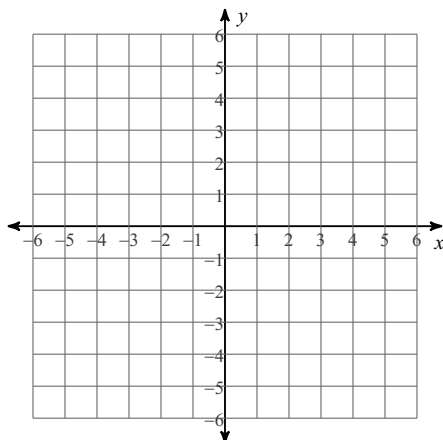
1) $y = \frac{1}{2}x - 1$



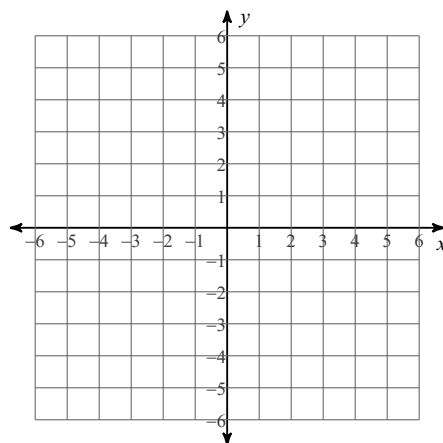
2) $y = -x - 2$



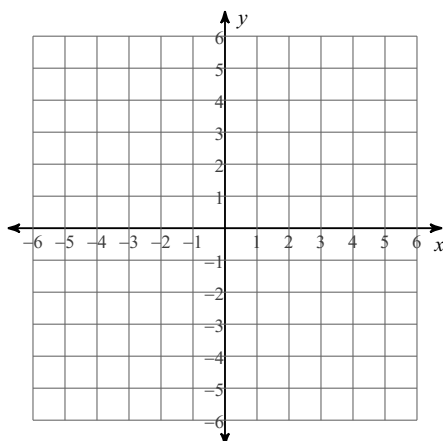
3) $y = -4x + 1$



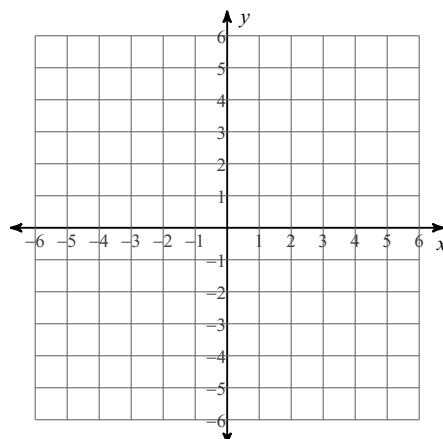
4) $y = -\frac{4}{3}x - 1$



5) $y = -3$

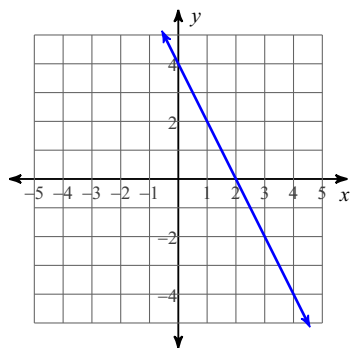


6) $y = \frac{9}{2}x - 4$

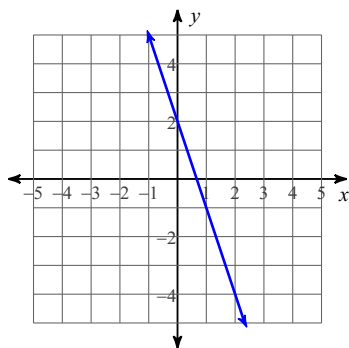


Write the slope-intercept form of the equation of each line.

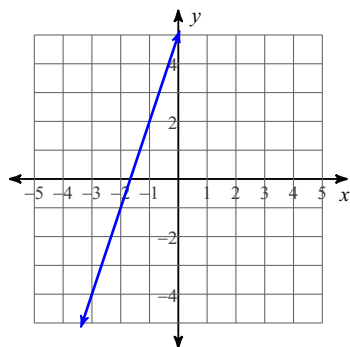
7)



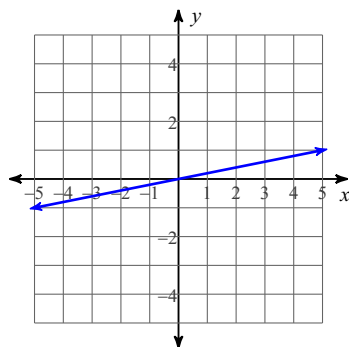
8)



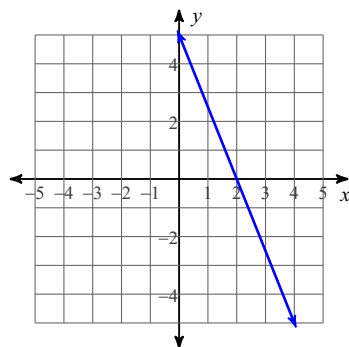
9)



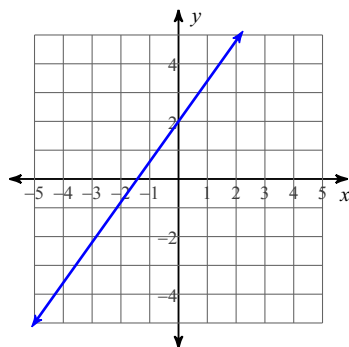
10)



11)



12)



Write the slope-intercept form of the equation of each line given the slope and y-intercept.

13) Slope = $-\frac{3}{2}$, y-intercept = 5

14) Slope = -1 , y-intercept = 5

15) Slope = $-\frac{9}{5}$, y-intercept = -5

16) Slope = 1 , y-intercept = -3

17) Slope = $\frac{3}{2}$, y-intercept = -1

18) Slope = 3 , y-intercept = 0