

## Assignment

Solve each equation.

1)  $-32 = 7x - 4$

2)  $-4 = \frac{4 + x}{2}$

3)  $\frac{4 + x}{5} = 3$

4)  $-9 = \frac{m}{12} - 10$

5)  $350 = 7(2 - 8b)$

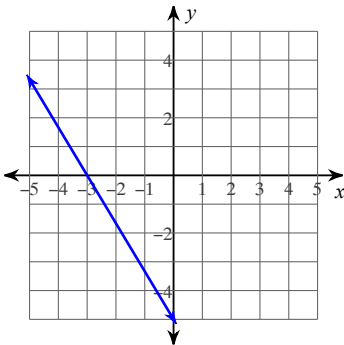
6)  $117 = -3(-6k + 3)$

7)  $2(6n - 5) = -94$

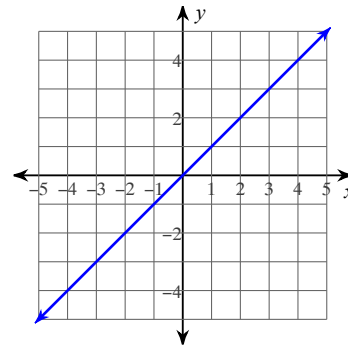
8)  $319 = 7(1 + 7n) + 3n$

Write the slope-intercept form of the equation of each line. Graph in Desmos to check your answer.

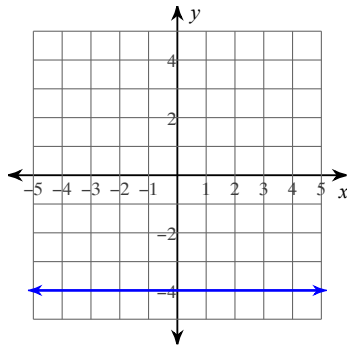
9)



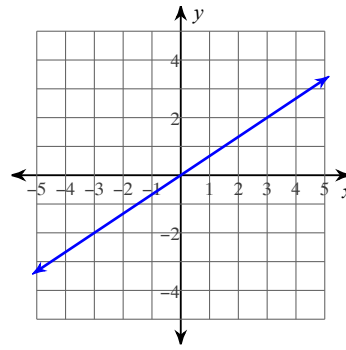
10)



11)



12)



**Write the slope-intercept form of the equation of each line given the slope and y-intercept. Graph in Desmos to check your answer.**

13) Slope =  $-\frac{9}{4}$ , y-intercept = 4

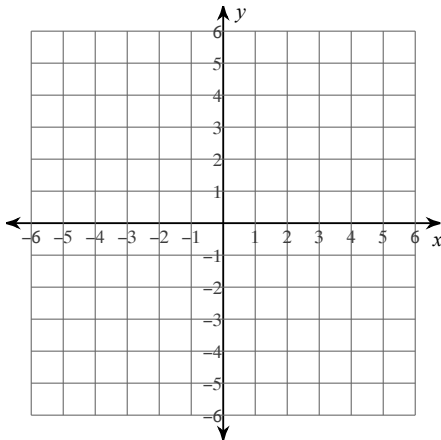
14) Slope = 6, y-intercept = 1

15) Slope =  $\frac{7}{2}$ , y-intercept = -5

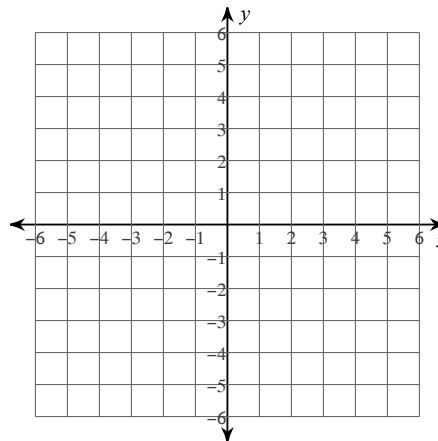
16) Slope =  $-\frac{1}{5}$ , y-intercept = -1

**Sketch the graph of each line. Use Desmos to check your answer.**

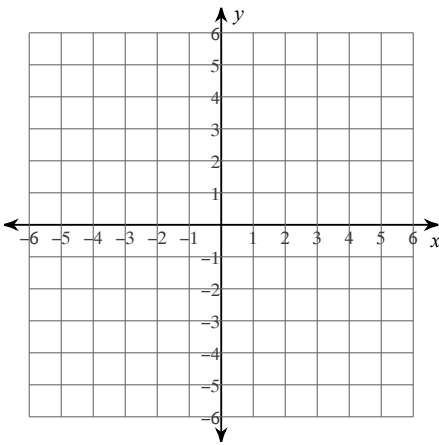
17)  $y = \frac{5}{3}x + 4$



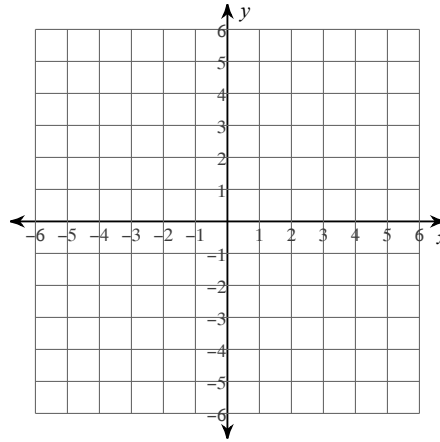
18)  $y = 1$



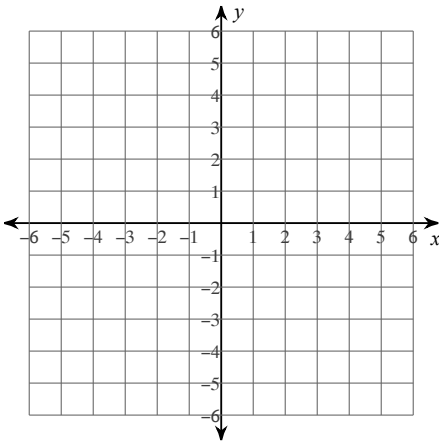
19)  $y = x + 3$



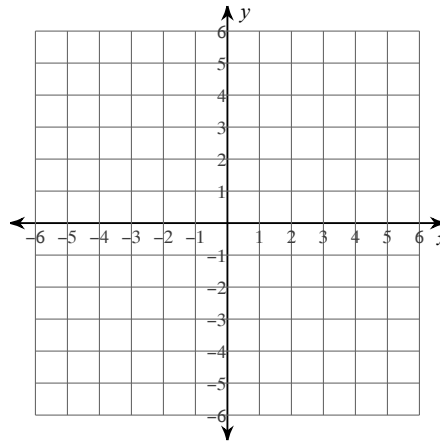
20)  $y = -\frac{1}{3}x - 2$



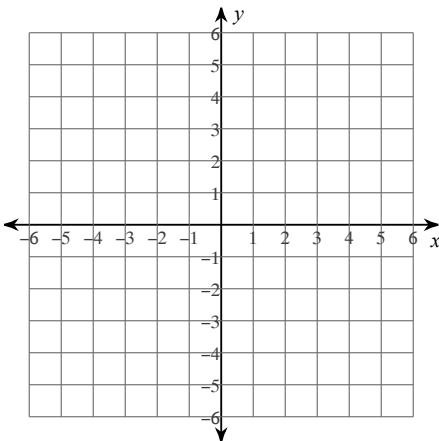
21)  $x$ -intercept =  $-5$ ,  $y$ -intercept =  $5$



22)  $x$ -intercept =  $-2$ ,  $y$ -intercept =  $-2$



23)  $2x + 5y = -5$



24)  $x + y = -4$

