

HW16: Slope-Intercept

Identify the slope and y-intercept of the linear equation.

1) $y = -3x + 16$

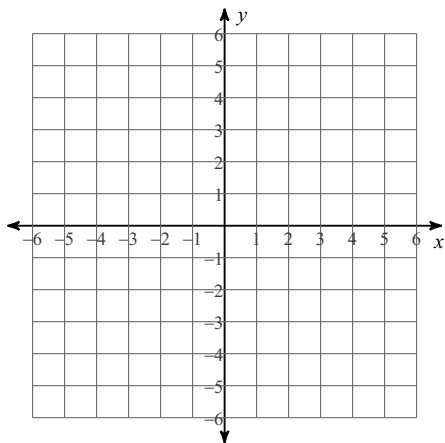
2) $y = 21$

3) $y = \frac{6}{7}x + 101$

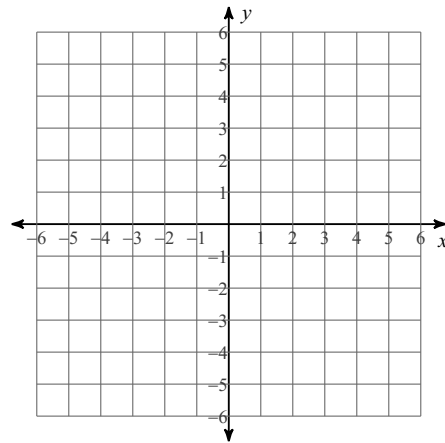
4) $y = -3.5x - 15$

Sketch the graph of each line.

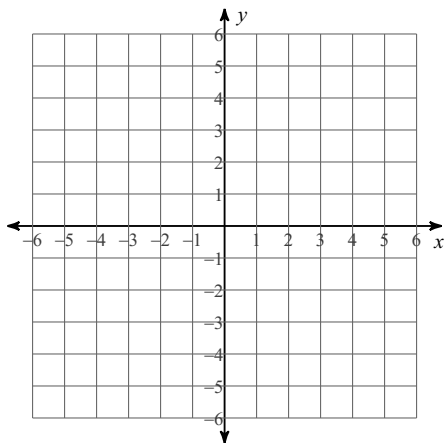
5) $y = \frac{3}{4}x + 1$



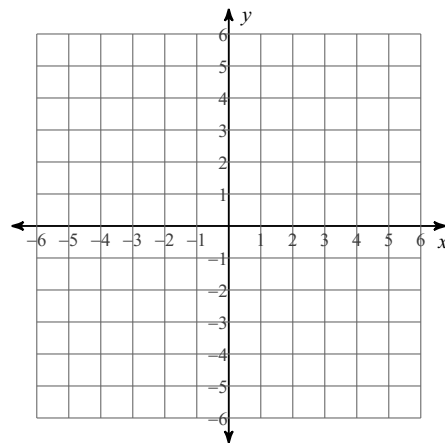
6) $y = -5x - 3$



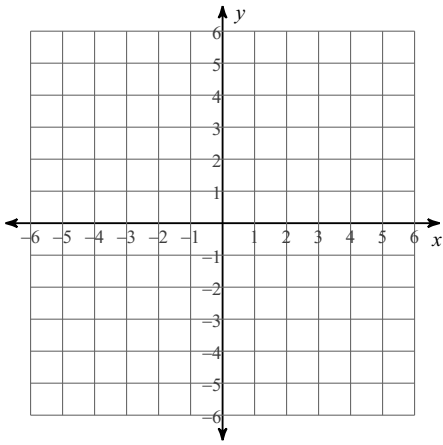
7) $y = -\frac{2}{5}x + 2$



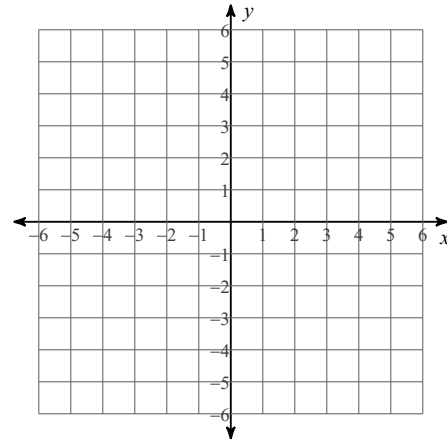
8) $y = -\frac{4}{5}x - 3$



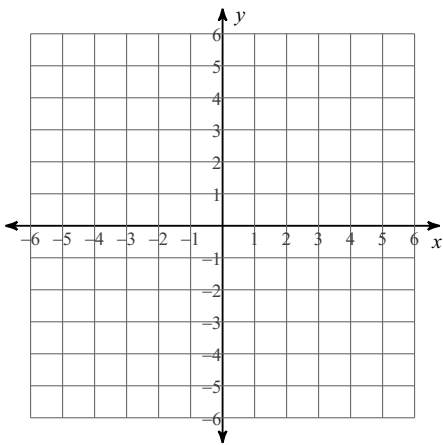
9) $y = x + 1$



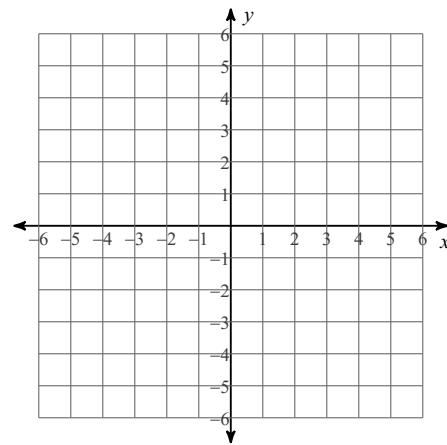
10) $y = -\frac{5}{3}x - 4$



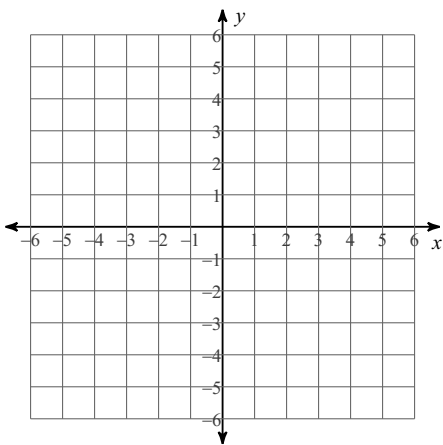
11) $y = \frac{2}{3}x + 5$



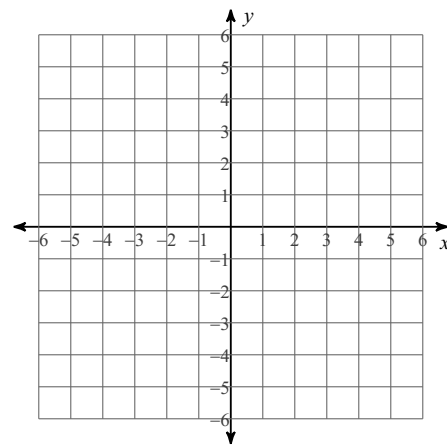
12) $y = -\frac{1}{5}x - 2$



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



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



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

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

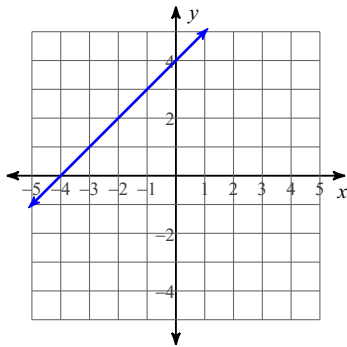
16) Slope = $\frac{4}{5}$, y-intercept = 2

17) Slope = $\frac{6}{5}$, y-intercept = 1

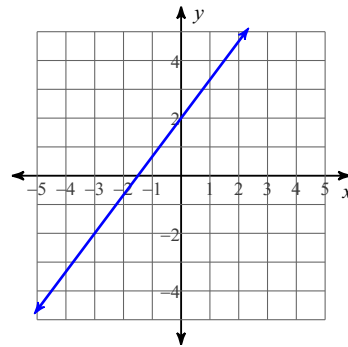
18) Slope = -3, y-intercept = -5

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

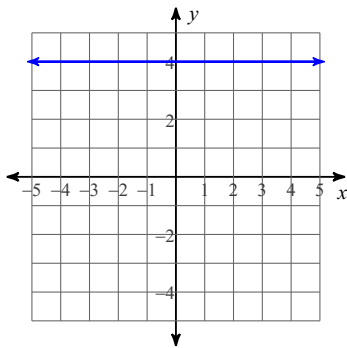
19)



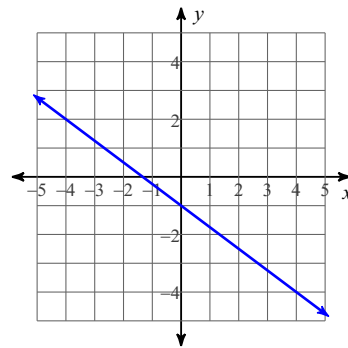
20)



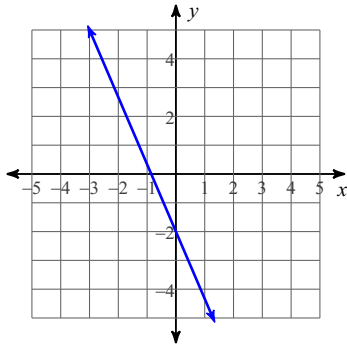
21)



22)



23)



24)

