

Point-Slope Form

Write the point-slope form of the equation of the line through the given point with the given slope.

1) through $(-4, 1)$, slope = $\frac{3}{4}$

2) through $(-5, 2)$, slope = $-\frac{2}{5}$

3) through $(-1, -4)$, slope = 2

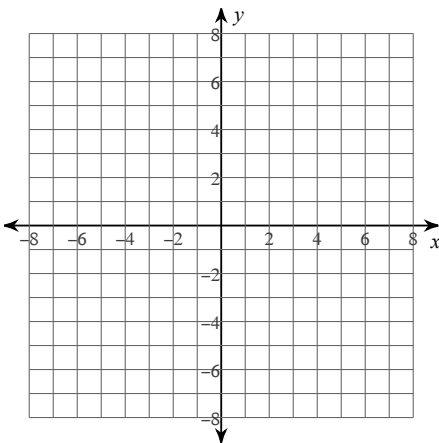
4) through $(-3, -3)$, slope = $\frac{7}{3}$

5) through $(0, 1)$, slope = $-\frac{5}{4}$

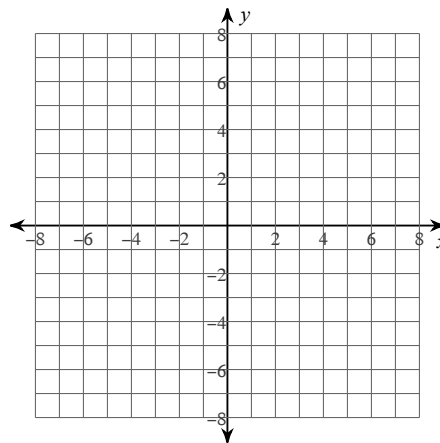
6) through $(1, 1)$, slope = 2

Graph each line.

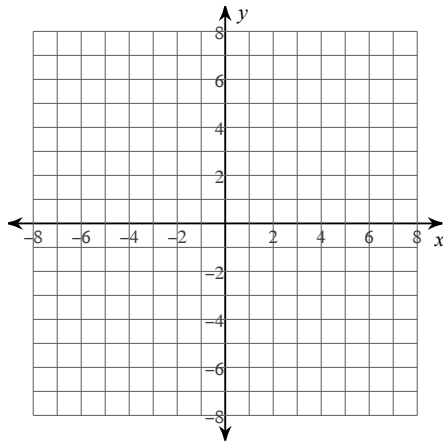
7) $y + 3 = -\frac{1}{3}(x - 6)$



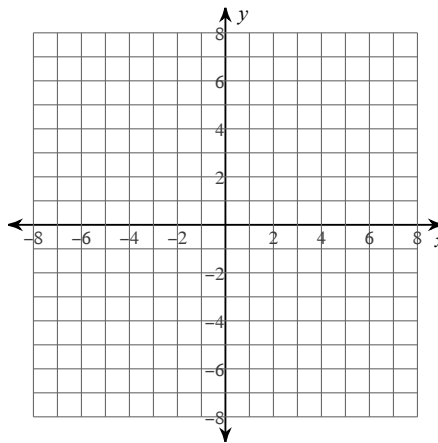
8) $y - 1 = -\frac{4}{5}(x - 5)$



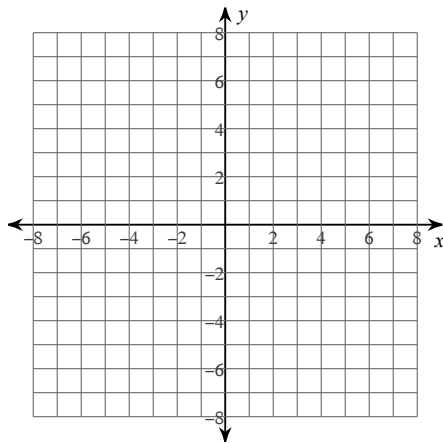
$$9) y + 4 = -\frac{1}{4}(x + 3)$$



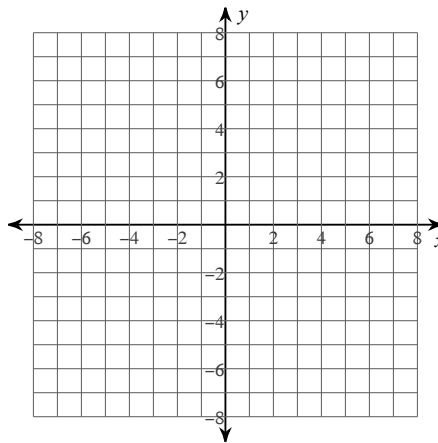
$$10) y - 2 = -3(x - 1)$$



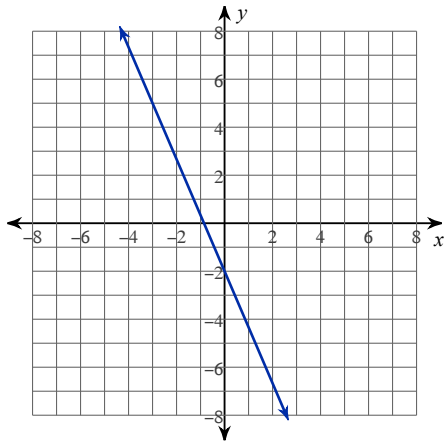
$$11) y + 1 = \frac{1}{2}(x - 4)$$



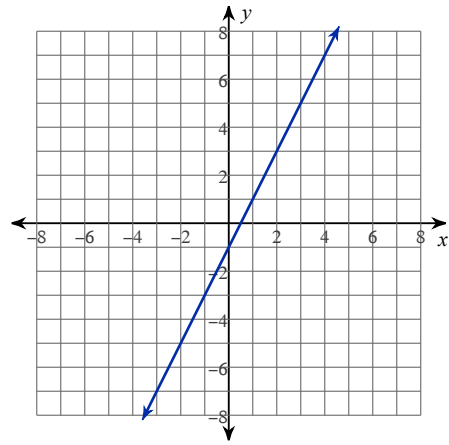
$$12) y - 2 = \frac{3}{2}(x + 2)$$



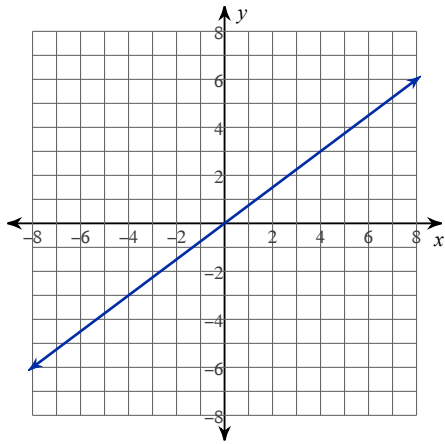
13)



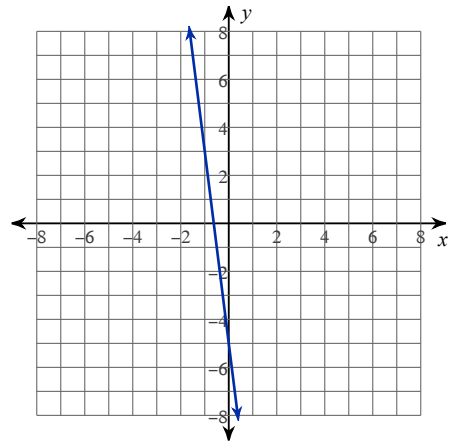
14)



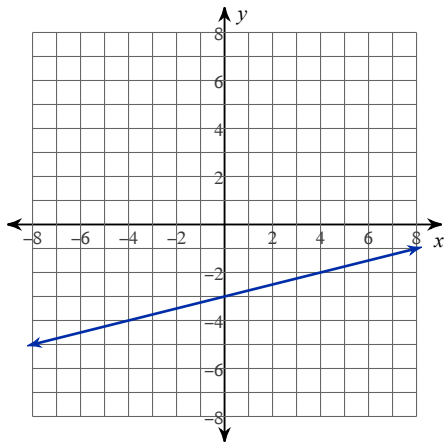
15)



16)



17)



18)

