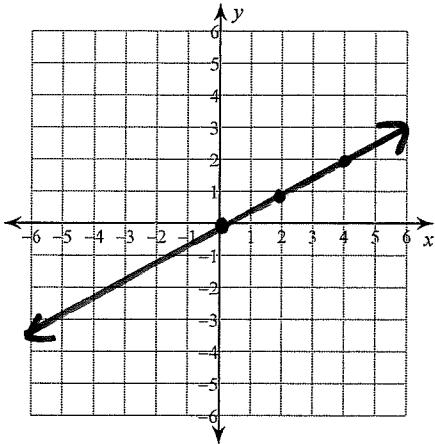


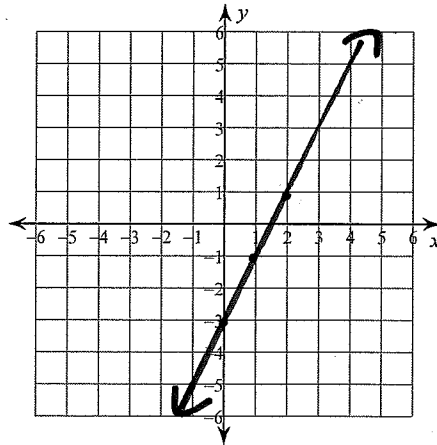
Assignment

Sketch the graph of each line.

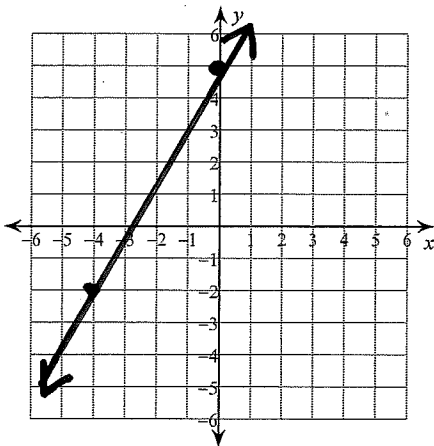
1)  $y = \frac{1}{2}x$



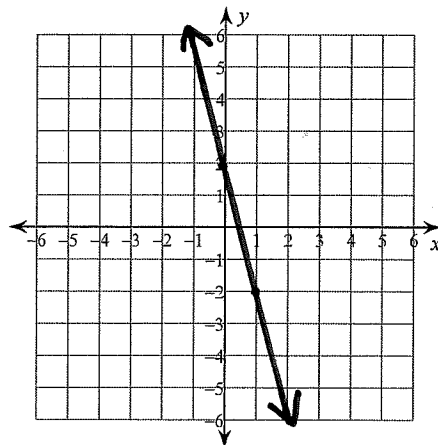
2)  $y = 2x - 3$



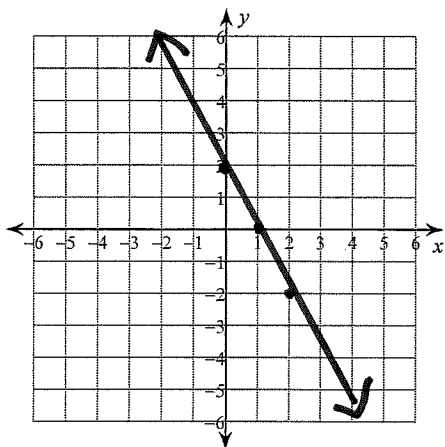
3)  $y = \frac{7}{4}x + 5$



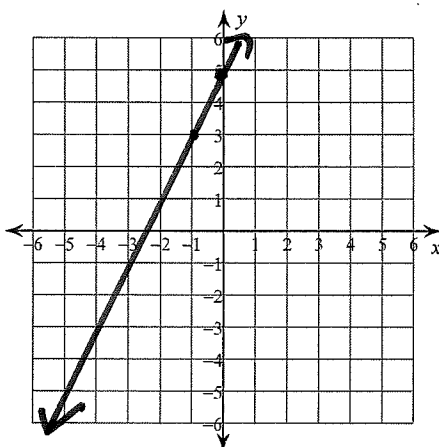
4)  $y = -4x + 2$



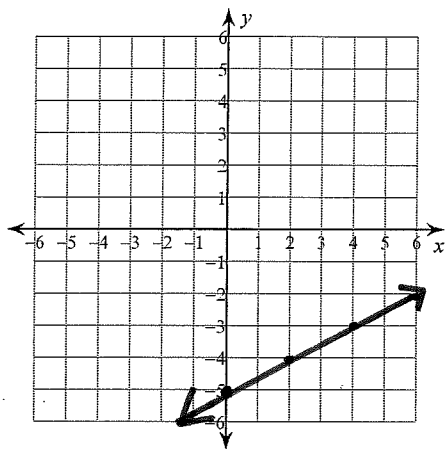
5)  $y = -2x + 2$



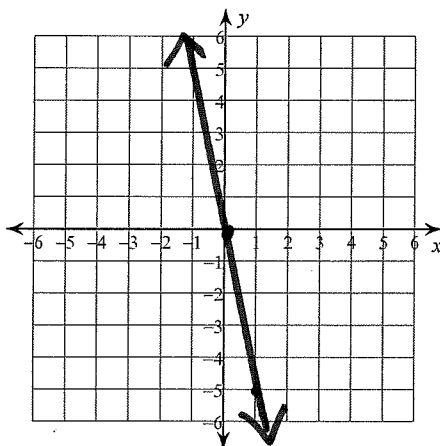
6)  $y = 2x + 5$



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

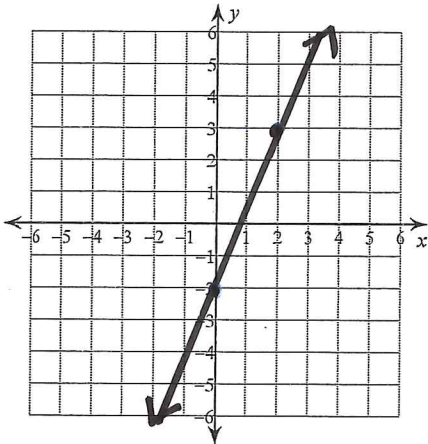


8)  $y = -5x$



$$9) \frac{5}{4}x = 1 + \frac{1}{2}y$$

$$y = \frac{5}{2}x - 2$$



$$\frac{5}{4}x = 1 + \frac{1}{2}y$$

$$\frac{-1}{-1} \quad \frac{-1}{-1}$$

$$2 \left( \frac{5}{4}x - 1 \right) = \left( \frac{1}{2}y \right) 2$$

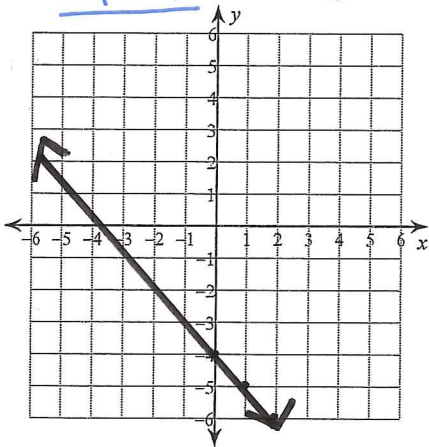
$$\frac{10}{4}x - 2 = y$$

$$\frac{5}{2}x - 2 = y$$

$$11) y + 4 = -x$$

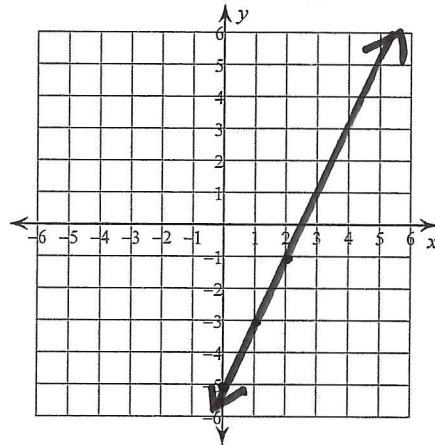
$$\frac{-4}{-4} \quad \frac{-4}{-4}$$

$$y = -x - 4$$



$$10) 0 = -5 - y + 2x$$

$$y = 2x - 5$$



$$0 = -5 - y + 2x$$

$$\frac{+5}{+5} \quad \frac{+5}{+5}$$

$$5 = -y + 2x$$

$$\frac{-2x}{-2x} \quad \frac{-2x}{-2x}$$

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

$$\frac{-1}{-1} \quad \frac{-1}{-1}$$

$$2x - 5 = y$$

$$0 = -5 - y + 2x$$

$$\text{or } \frac{+y}{+y} \quad \frac{+y}{+y}$$

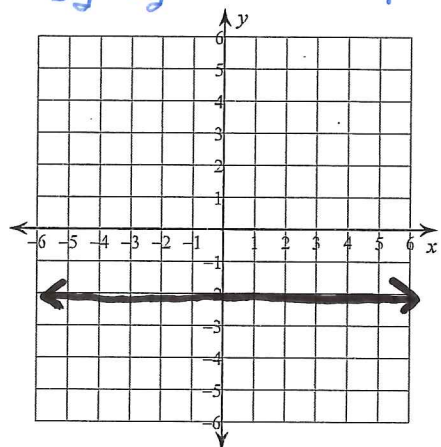
$$y = -5 + 2x$$

$$y = 2x - 5$$

$$12) 0 = y + 2$$

$$\frac{-2}{-2} \quad \frac{-2}{-2}$$

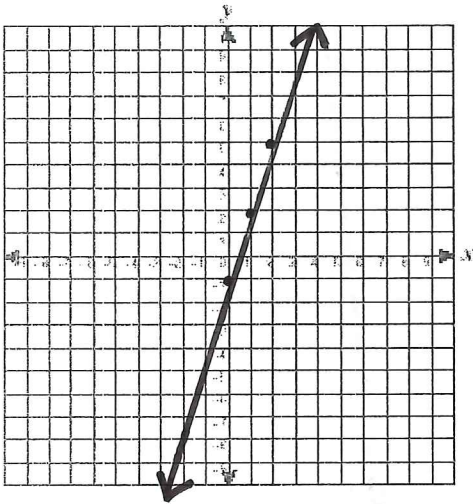
$$-2 = y \quad y = -2$$





$$13) y - 2 = 3(x - 1) \quad y = 3x - 1$$

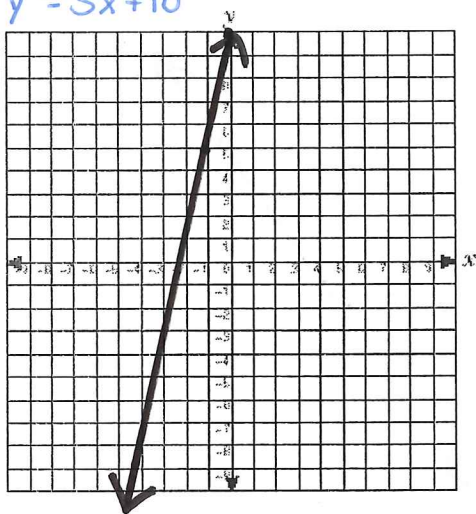
$$\begin{array}{r} y - 2 = 3x - 3 \\ + 2 \quad + 2 \\ \hline \end{array}$$



$$14) y - 5 = 5(x + 1)$$

$$\begin{array}{r} y - 5 = 5x + 5 \\ + 5 \quad + 5 \\ \hline \end{array}$$

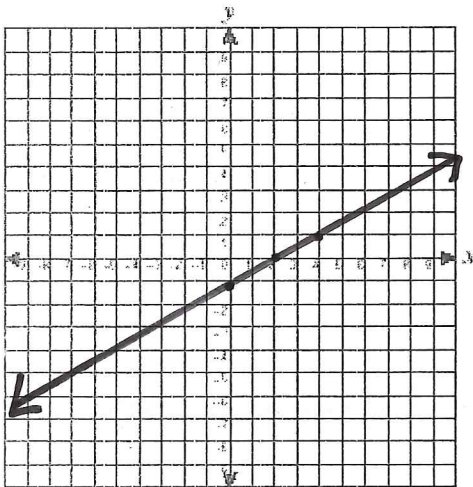
$$y = 5x + 10$$



$$15) y + 3 = \frac{1}{2}(x + 4)$$

$$\begin{array}{r} y + 3 = \frac{1}{2}x + 2 \\ - 3 \quad - 3 \\ \hline \end{array}$$

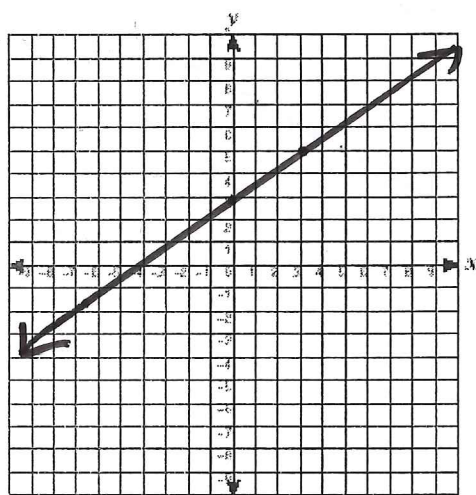
$$y = \frac{1}{2}x - 1$$



$$16) y + 3 = \frac{2}{3}(x + 9)$$

$$\begin{array}{r} y + 3 = \frac{2}{3}x + 6 \\ - 3 \quad - 3 \\ \hline \end{array}$$

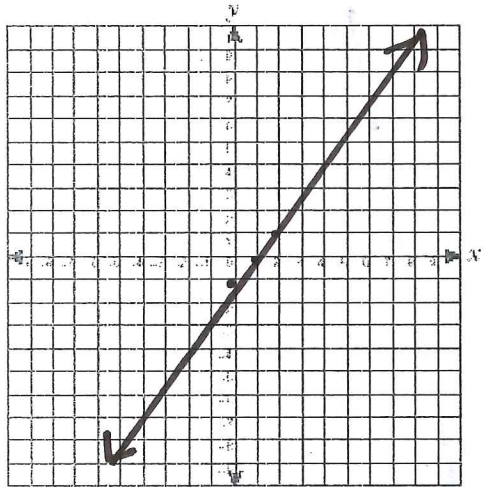
$$y = \frac{2}{3}x + 3$$



$$17) y + \frac{1}{2} = x - \frac{1}{2}$$

$$y = x - 1$$

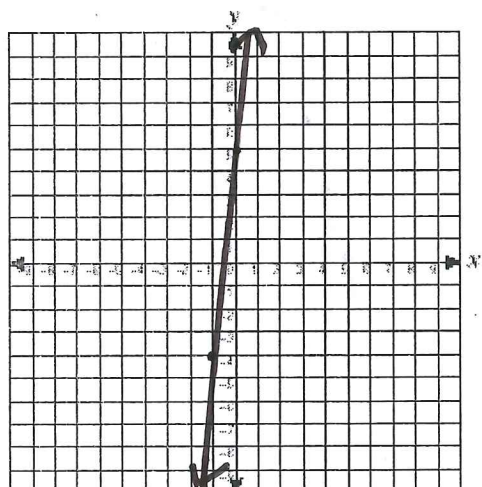
$$\frac{-\frac{1}{2}}{-\frac{1}{2}}$$



$$18) y + 4 = 3(3x + 3)$$

$$y = 9x + 5$$

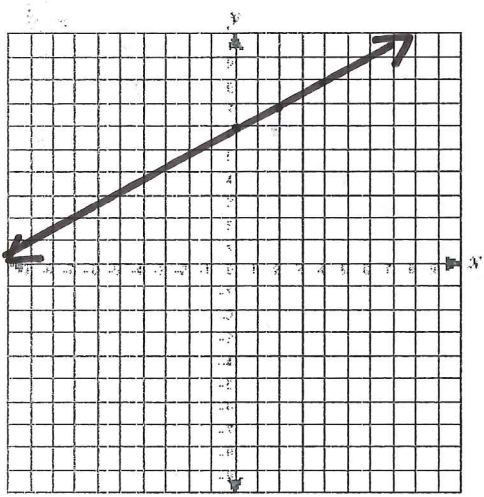
$$\frac{y + 4 = 9x + 9}{-4 \quad -4}$$



$$19) y - 7 = \frac{1}{2}(x - 2)$$

$$y = \frac{1}{2}x + 6$$

$$\frac{y - 7 = \frac{1}{2}x - 1}{+7 \quad +7}$$



$$20) y + 5 = 0$$

$$\frac{-5 - 5}{y = -5}$$

