

Name: key

Must show all steps.

Complete the table for the equation.

1) $-3x + 2y = 8$

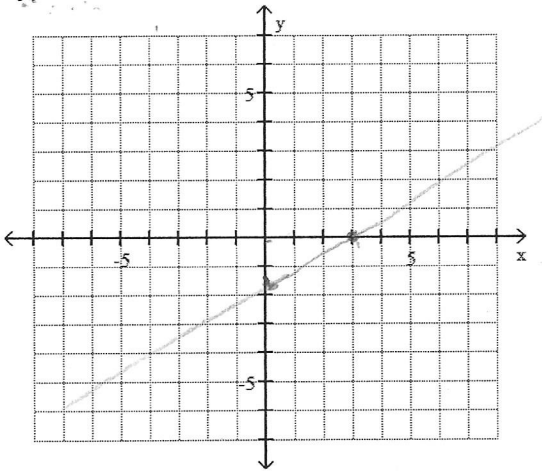
x	y
0	4
2	7
-2	1

$$\begin{aligned} -3x + 2 &= 8 \\ -3x &= 6 \\ x &= -2 \end{aligned}$$

Find the x- and y-intercepts. Then graph the equation.

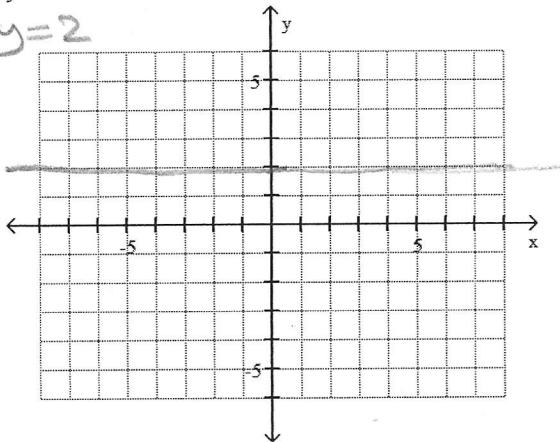
2) $4y - 2x = -6$

$$\begin{aligned} -2x &= -6 \\ x &= 3 \\ (3, 0) \\ 4y &= -6 \\ y &= -\frac{6}{4} \\ y &= -\frac{3}{2} \end{aligned}$$



3) $y - 2 = 0$

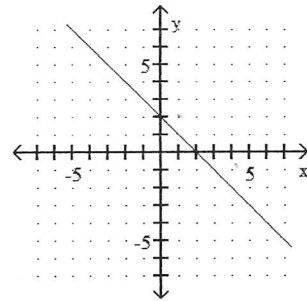
$$y = 2$$



Find the slope of the line.

4)

-1



$$(2, 0), (0, 2)$$

Find the slope of the line through the pair of points.

5) $(1, -8)$ and $(-4, 3)$

$$x_1, y_1 \quad x_2, y_2$$

$$\begin{aligned} \frac{3 - (-8)}{-4 - 1} &= \frac{11}{-5} = -\frac{11}{5} \\ &= -2\frac{1}{5} \end{aligned}$$