

7-2 Graphing Equations

Determine whether $(2, 4)$ is a solution of $y = 3x - 2$.

$$4 = 3(2) - 2 \quad (2, 4) \text{ is a sol.}$$

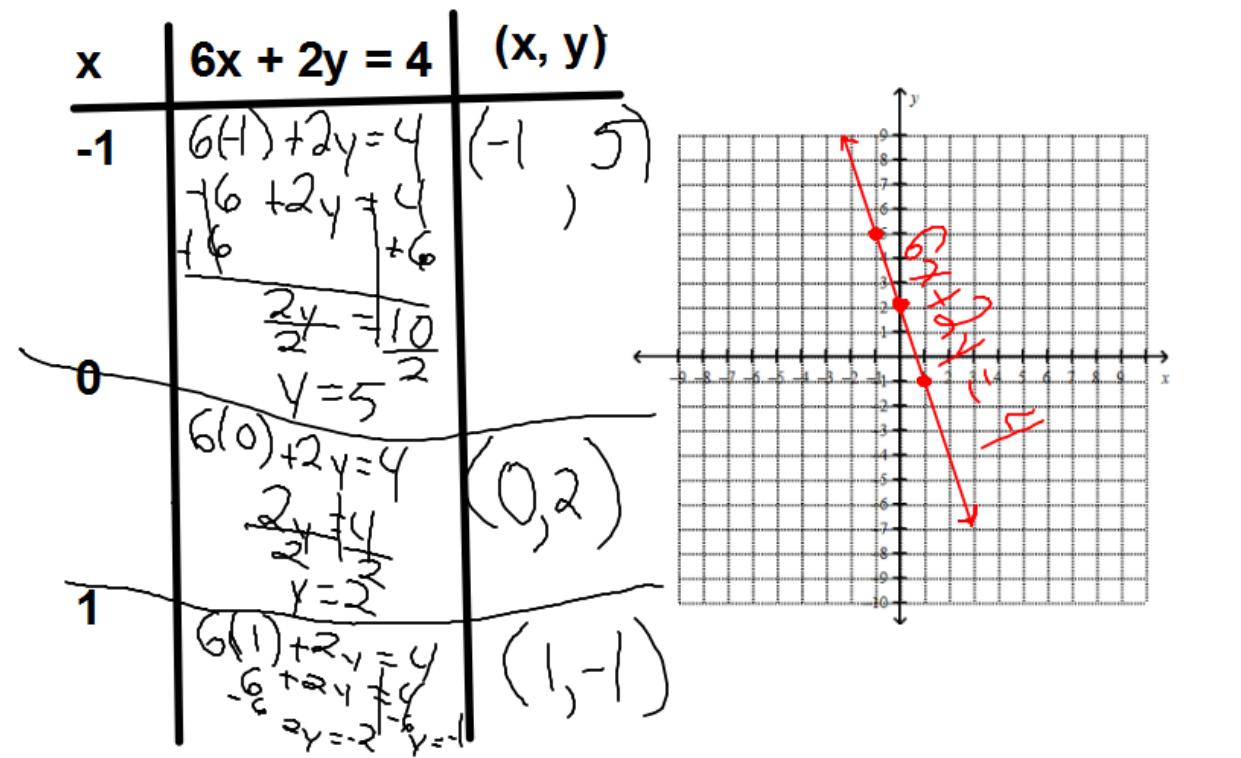
$$4 = 6 - 2 \quad 4 = 4 \checkmark$$

Determine whether $(3, -2)$ is a solution of $5y = 4x - 22$

$$5(-2) = 4(3) - 22 \quad (3, -2) \text{ is a sol.}$$
$$-10 = 12 - 22$$
$$-10 = -10$$

Graph the equation. Use a Chart.

$$6x + 2y = 4$$

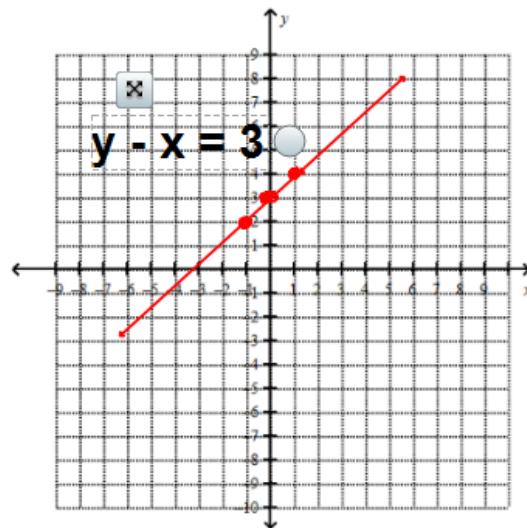


Graph.

$$y - x = 3$$

x	y - x = 3	(x, y)
-1	$y - (-1) = 3$ $y + 1 = 3$ $\underline{-1 \quad -1}$ $y = 2$	(-1, 2)
0	$y - 0 = 3$ $y = 3$	(0, 3)
1	$y - 1 = 3$ $+1 \quad +1$ $y = 4$	(1, 4)

Graph.



$$y = x$$

x	y = x	(x, y)
-1	$y = -1$	(-1, -1)
0	$y = 0$	(0, 0)
1	$y = 1$	(1, 1)

