

How our Math Should look when we do our O.T.L.

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1. $2x+y=1$ $(3, 7)$ pg 5
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$$\begin{array}{r} 2x+y=1 \\ 2(3)+7=1 \\ 6+7=1 \\ 13 \neq 1 \end{array}$$

So... ~~is a solution~~ $(3, 7)$ is not a solution.

2. $2x+y=1$ $(3, -7)$

$$\begin{array}{r} 2x+y=1 \\ 2(3)+(-7)=1 \\ 6-7=1 \\ -1 \neq 1 \end{array}$$

So... The ordered pair $(3, -7)$ is not a solution.

3. $2x+y=1$ $(\frac{1}{2}, 0)$

$$\begin{array}{r} 2x+y=1 \\ 2(\frac{1}{2})+0=1 \\ 1+0=1 \\ 1=1 \checkmark \end{array}$$

So... The ordered pair $(\frac{1}{2}, 0)$ is a solution.

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3. $x-y=-7$ $(-3, 4)$

$$\begin{array}{r} x-y=-7 \\ (-3)-4=-7 \\ -3-4=-7 \\ -7=-7 \checkmark \end{array}$$

So... The ordered pair $(-3, 4)$ is a solution.

4. $x+y=10$ $(2, -12)$

$$\begin{array}{r} x+y=10 \\ (2)+(-12)=10 \\ 2-12=10 \\ -10 \neq 10 \end{array}$$

So... The ordered pair $(2, -12)$ is not a solution.