

$$\textcircled{1} \quad y = 2x - 3$$

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

$$y = -2x + 1$$

$$y = 2x - 3$$

$$(-1) \stackrel{?}{=} 2(1) - 3$$

$$-1 \stackrel{?}{=} 2 - 3$$

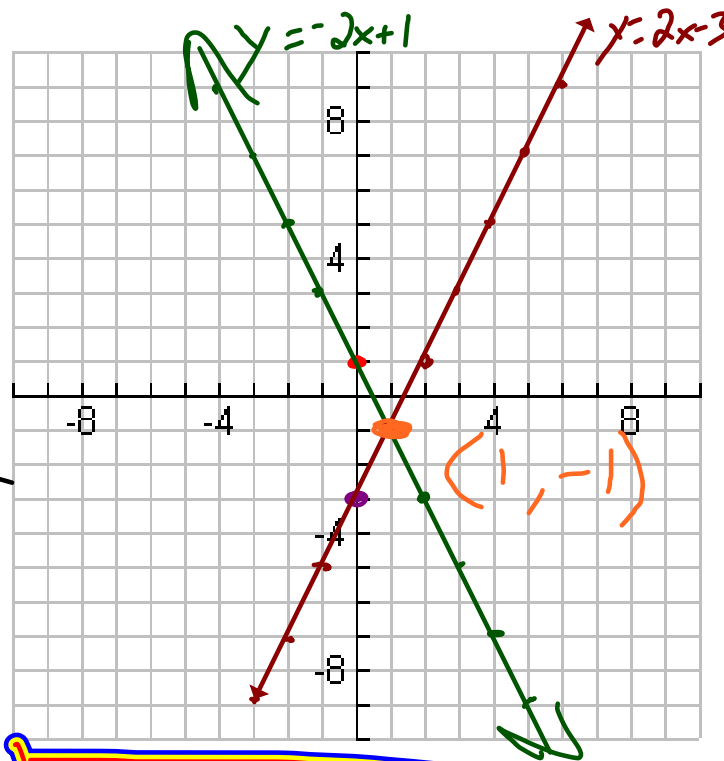
$$-1 = -1 \quad \checkmark$$

$$-y = 2x - 1$$

$$-(-1) \stackrel{?}{=} 2(1) - 1$$

$$1 \stackrel{?}{=} 2 - 1$$

$$1 = 1 \quad \checkmark$$



So... The Solution
is: $(1, -1)$

$$\textcircled{4} \quad -4x + 7y = -2$$
$$x = -y - 5$$

⑤ $7x + 4y = 5 \rightarrow (6x - 19) + 4y = 5$

* $x - 6y = -19$ $\frac{6}{19} \frac{7}{133}$ $42y - 133 + 4y = 5$

$$\begin{array}{r} x - 6y = -19 \\ +6y \quad +6y \\ \hline x = (6y - 19) \end{array}$$

$$\begin{array}{r} 42y - 133 + 4y = 5 \\ 46y - 133 = 5 \\ +133 \quad +133 \\ \hline 46y = 138 \\ \frac{46}{46} \quad \frac{46}{46} \\ \hline y = 3 \end{array}$$

$x = 6(3) - 19$
 $x = 18 - 19$
 $x = -1$

So... the solution is: $(-1, 3)$

$$\begin{array}{l} 7x + 4y = 5 \\ 7(-1) + 4(3) \stackrel{?}{=} 5 \\ -7 + 12 \stackrel{?}{=} 5 \\ 5 = 5 \checkmark \end{array}$$

$$\begin{array}{l} x - 6y = -19 \\ (-1) - 6(3) \stackrel{?}{=} -19 \\ -1 - 18 \stackrel{?}{=} -19 \\ -19 = -19 \checkmark \end{array}$$

$$\textcircled{8} \begin{cases} -7x + 2y = -5 \\ 10x - 2y = 6 \end{cases} \rightarrow \begin{cases} -7x + 2y = -5 \\ +10x - 2y = 6 \end{cases}$$

$$\begin{array}{r} x - 2y = 6 \\ -7x + 2y = -5 \\ \hline 3x = 1 \\ x = \frac{1}{3} \end{array}$$

$$10\left(\frac{1}{3}\right) - 2y = 6$$

$$\frac{10}{3} - 2y = \frac{18}{3}$$

$$\frac{-10}{3} - \frac{18}{3} = -2y$$

$$-\frac{28}{3} = -2y \quad \div -2$$

$$y = \frac{14}{3}$$

So... the solution is: $\left(\frac{1}{3}, \frac{4}{3}\right)$

$-7x + 2y = -5$	$10x - 2y = 6$
$-7\left(\frac{1}{3}\right) + 2\left(\frac{4}{3}\right) = -5$	$10\left(\frac{1}{3}\right) - 2\left(\frac{4}{3}\right) = 6$
$-\frac{7}{3} + \frac{8}{3} = -5$	$\frac{10}{3} - \frac{8}{3} = 6$
$-\frac{15}{3} = -5$	$\frac{2}{3} = 6$
$-5 = -5 \checkmark$	$6 = 6 \checkmark$

$$\textcircled{1} \begin{cases} 2(6x + 7y = 5) \rightarrow 12x + 14y = 10 \\ 7(4x - 2y = -10) \rightarrow 28x - 14y = -70 \end{cases}$$

$$\begin{array}{r} 40x = -60 \\ \hline 40 \quad 40 \end{array}$$

$$x = \frac{-6}{4}$$

$$x = \frac{-3}{2}$$

$$2 \cdot 4 \left(\frac{-3}{2} \right) - 2y = -10$$

$$\begin{array}{r} -6 - 2y = -10 \\ +6 \quad +6 \end{array}$$

$$\begin{array}{r} -2y = -4 \\ \hline -2 \quad -2 \end{array}$$

$$y = 2$$

So... The Solution is: $\left(\frac{-3}{2}, 2 \right)$

$$6x + 7y = 5$$

$$6 \left(\frac{-3}{2} \right) + 7(2) \stackrel{?}{=} 5$$

$$-9 + 14 \stackrel{?}{=} 5$$

$$5 = 5 \checkmark$$

$$4x - 2y = -10$$

$$4 \left(\frac{-3}{2} \right) - 2(2) \stackrel{?}{=} -10$$

$$-6 - 4 \stackrel{?}{=} -10$$

$$-10 = -10 \checkmark$$