

## Examples:

1. Distribute ✓

~~2. Combine Like Terms on the SAME SIDE~~~~3. Move Variable Term (Add/Subtract)~~

4. Move Constant (Add/Subtract) ✓

5. Divide by Coefficient ✓

$$\textcircled{1} \quad -7(x-3) = -7$$

$$\begin{array}{r} -7x + 21 = -7 \\ \underline{-21} \quad \quad -21 \\ -7x = -28 \\ \underline{-7} \quad \quad \underline{-7} \\ x = 4 \end{array}$$

Oct 29-9:06 AM

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$$\textcircled{2} \quad 3(x+4) = 2(x-1)$$

$$\begin{array}{r} 3x + 12 = 2x - 2 \\ \underline{-2x} \quad \quad \underline{-2x} \\ x + 12 = -2 \\ \underline{-12} \quad \quad \underline{-12} \\ x = -14 \end{array}$$

Oct 29-9:06 AM

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③  $8 - 2(y+1) = -3y + 1$

$$\boxed{8} - 2y - \boxed{2} = -3y + 1$$

$$6 - 2y = -3y + 1$$

$$\begin{array}{r} +2y \quad | \quad +2y \\ \hline 6 = -1y + 1 \end{array}$$

$$\begin{array}{r} -1 \quad | \quad -1 \\ \hline 5 = -1y \end{array}$$

$$\frac{5}{-1} = \frac{-1y}{-1} \quad \boxed{y = -5}$$

Oct 29-9:06 AM

$$15j + 6 = 2(3j - 6) + 3$$

$$15j + 6 = 6j - 12 + 3$$

$$15j + 6 = 6j - 9$$

$$\begin{array}{r} -6j \quad | \quad -6j \\ \hline 9j + 6 = -9 \end{array}$$

$$\begin{array}{r} 9j + 6 = -9 \\ -6 \quad -6 \\ \hline 9j = -15 \end{array}$$

$$\frac{9j}{9} = \frac{-15}{9}$$

$$j = -1.\bar{6}$$

Jan 2-12:54 PM

$$2(x-7)-10 = 12-4x$$

$$x = 6$$

$$2x - 14 - 10 = 12 - 4x$$

$$2x - 24 = 12 - 4x$$

$$\begin{array}{r} -2x \\ \hline -24 = 12 - 6x \\ -12 \quad -12 \\ \hline -36 = -6x \end{array}$$

$$\begin{array}{r} -24 = 12 - 6x \\ -12 \quad -12 \\ \hline -36 = -6x \end{array}$$

$$\begin{array}{r} -36 = -6x \\ \hline -6 \quad -6 \end{array} \quad \boxed{x=6}$$

Nov 2-9:25 AM