Christopher,

Here are alternate solutions to some of the the **Order of Operations** questions you missed. I hope this helps.

Also, you might want to contact me at rebuzby@gmail.com , since I check that more frequently.

Buz

Question 3 of 8: Simplify the following expression:

$$\mathbf{17x + 8 + 2 \cdot (x + 12) + 2x + 9}$$

1. Get rid of the parentheses using the Distributive Property:

$$17x + 8 + 2x + 24 + 2x + 9$$

2. Combine the 'LIKE TERMS' by aligning them vertically:

$$\begin{array}{r} 17x + 8 \\ 2x + 24 \\ \underline{2x + 9} \\ \mathbf{21x + 41} \end{array}$$

Question 6 of 8: Check all statements below that can be expressed as: $\mathbf{7x + y - 1}$.

A. $\mathbf{15x + 11y + 7 + y + 18 - 7x - 15 - x - 11 + 7y - 18y}$

B. $\mathbf{15y + 7 - 15 + 11y + 11x - 7y - 11 - 18x - x + 18 - 18y + 15x}$

C. $\mathbf{7 + 11y - 15 - 7x + y - x + 7 - 18y + 15x + 7y + 11x}$

Simplify Expression 'A':

1. Change all subtraction to **Adding the Opposite** :

$$15x + 11y + 7 + 1y + 18 + (-7x) + (-15) + (-1x) + (-11) + 7y + (-18y)$$

2. Align the 'LIKE TERMS' vertically:

$$\begin{array}{l} 15x + 11y + \quad 7 \\ -7x + \ 1y + \ \ 18 \\ -1x + \ 7y + (-15) \\ \underline{\qquad -18y + (-11)} \end{array}$$

3. Combine the 'LIKE TERMS' that have the same signs, then simplify:

$$\begin{array}{l} 15x + \ \ 19y \ + \ \ 25 \\ \underline{-8x + (-18y) + (-26)} \end{array}$$

$$\mathbf{7x + 1y + (-1) = 7x + y - 1} \quad \surd$$

Simplify Expression 'B' using the steps from 'A'.

Simplify Expression 'C' using the steps from 'A'.