

February 7, 2017

$$3x + 5 = 20$$

$$\begin{array}{r} +0 \quad -5 \quad -5 \\ \hline \end{array}$$

$$\boxed{\frac{1}{3}} \cdot \frac{3x}{1} = \frac{15}{3} \leftarrow \text{A.A.}$$

M.A.

$$\boxed{x = 5} \leftarrow \text{M.A.}$$

$$3(5) + 5 = 20$$

$$15 + 5 = 20$$

$$20 = 20 \checkmark$$

Feb 7-9:01 AM

$$\textcircled{1} \quad 3(-6(x-2)) = 4(x+3)$$

$$\textcircled{2} \quad \textcircled{3}[-6x+12] = 4x+12 \text{ Dist}$$

$$3[+12-6x]$$

$$[3+12]-6x$$

$$15-6x = 4x+12$$

$$\begin{array}{r} -12 \quad +6x \quad \text{Assoc \& Comm} \\ \hline \end{array}$$

$$3 = 10x \leftarrow \text{A.A.}$$

$$\frac{3}{10} = \frac{10x}{10}$$

$$\boxed{\frac{3}{10} = x}$$

Feb 7-9:10 AM

$$3 - 6\left(\frac{3}{10} - \frac{2}{7}\right) = 4\left(\frac{3}{10} + \frac{3}{7}\right)$$

$$3 - 6\left(\frac{3-20}{10}\right) = 4\left(\frac{3+30}{10}\right)$$

$$3 - \frac{6}{1}\left(-\frac{17}{10}\right) = \frac{4}{1}\left(\frac{33}{10}\right)$$

$$\frac{3}{1} + \frac{102}{10} = \frac{132}{10}$$

$$\frac{30+102}{10}$$

$$\frac{132}{10} = \frac{132}{10} \checkmark$$

Feb 7-9:26 AM

$$\frac{x}{5} + \frac{3}{4} = 2$$

$$\begin{array}{r} -\frac{3}{4} \quad -\frac{3}{4} \\ \hline \end{array}$$

$$\frac{x}{5} = \frac{2}{1} - \frac{3}{4}$$

$$= \frac{8-3}{4}$$

$$\frac{x}{5} = \frac{5}{4} \leftarrow \text{A.A.}$$

$$\boxed{x = \frac{25}{4}} \leftarrow \text{M.A.}$$

$$\frac{\frac{25}{4}}{5} + \frac{3}{4} = 2$$

$$\frac{25}{4} \cdot \frac{1}{5} + \frac{3}{4} = 2$$

$$\frac{5}{4} + \frac{3}{4} = 2$$

$$\frac{8}{4} = 2$$

$$2 = 2 \checkmark$$

Feb 7-9:41 AM