1. Solve and <u>check</u>: $x - 3 = -12$

$$\begin{array}{c} +3 \quad +3 \\ \hline x = -9 \end{array}$$

Check:

$$(-9) - 3 \overset{?}{=} -12$$

$$-12 = -12 \checkmark$$

2. Solve and <u>check</u>: $8x - 5 = 7x + 2$

$$\begin{array}{c} -7x \quad -7x \\ \hline x - 5 = 2 \\ +5 \quad +5 \\ \hline x = 7 \end{array}$$

Check:

$$8(7) - 5 \overset{?}{=} 7(7) + 2$$

$$56 - 5 \overset{?}{=} 49 + 2$$

$$51 = 51 \checkmark$$

3. Solve and <u>check</u>: $10 + 3(5x - 2) = 7(2x - 1) + 9$

$$10 + 15x - 6 = 14x - 7 + 9$$

$$15x + 4 = 14x + 2$$

$$\begin{array}{c} -14x \qquad -14x \\ \hline x + 4 = 2 \\ -4 \quad -4 \\ \hline x = -2 \end{array}$$

Check:

$$10 + 3(5(-2) - 2) \overset{?}{=} 7(2(-2) - 1) + 9$$

$$10 + 3(-10 - 2) \overset{?}{=} 7(-4 - 1) + 9$$

$$10 + 3(-12) \overset{?}{=} 7(-5) + 9$$

$$10 + (-36) \overset{?}{=} -35 + 9$$

$$-26 = -26 \checkmark$$

Q: What is it the more you take away the larger it becomes?