

Solving a Linear Equation

Step 3: Subtract (-) or add (+) variable terms from or to both sides of the equation to get variable on only one side of = sign.

EITHER Subtract a Variable Term From Both Sides of Equation

$$\begin{array}{l} \bigcirc X + \triangle = \square X + \text{pentagon} \\ \underline{-\bigcirc X} \qquad \qquad \underline{-\bigcirc X} \\ 0 + \triangle = (\square - \bigcirc) X + \text{pentagon} \\ \triangle = \underline{\quad} X + \text{pentagon} \end{array}$$

Continue to next page for scaffold for adding a constant.

OR Add A Variable Term To Both Sides of Equation

$$-\text{○}X + \text{△} = \text{□}X + \text{⬠}$$

$$\underline{+\text{○}X} \qquad \qquad \underline{+\text{○}X}$$

$$0 + \text{△} = (\text{□} + \text{○})X + \text{⬠}$$

$$\text{△} = \underline{\quad}X + \text{⬠}$$