

## Lesson 4-5 → Solving Equations with Variables on Both Sides

### Rule

1. Combine variables on one side and constants on other side

$$5x + 7 = 3x - 1$$

$$\begin{array}{r} -3x \quad \quad -3x \\ 5x + 7 = 3x - 1 \end{array}$$

$$2x + 7 = -1$$

$$\begin{array}{r} -7 \quad \quad -7 \\ 2x + 7 = -1 \end{array}$$

$$2x = -8$$

$$\begin{array}{r} \underline{\quad} \quad \underline{\quad} \\ 2 \quad \quad 2 \end{array}$$

$$x = -4$$