



2-Step Equations Cue Cards (with examples)

Inverse Operations: (Opposites)	
Addition & Subtraction Positive # & Negative # (ex: 3 & -3)	Multiplication & Division Square & Square Root

Pre-Step for all equations: Simplify Double Signs!

Rule	Example
 Two like signs become a positive sign	$+(+)$ $3+(+2) = 3 + 2 = 5$ $-(-)$ $6-(-3) = 6 + 3 = 9$
 Two unlike signs become a negative sign	$+(-)$ $7+(-2) = 7 - 2 = 5$ $-(+)$ $8-(+2) = 8 - 2 = 6$

Solving 2-Step Equations Cue Card w/ examples	
Step 1:	Use inverse operations to undo the constant on the same side of the variable .
Step 2:	Use inverse operations to undo the multiplication or division
Example 1: $\begin{array}{r} -3x + 4 = 16 \\ \quad -4 \quad -4 \\ \hline -3x \quad = 12 \\ \quad -3 \quad -3 \\ \hline x \quad = -4 \end{array}$	Example 2: $\begin{array}{r} \frac{x}{2} - 6 = 3 \\ \quad + 6 \quad +6 \\ \hline (2) \frac{x}{2} = 9 (2) \\ \quad x = 18 \end{array}$