

## 1.1 Solving Simple Equations (One-step Equations)

Def'n

- \* Equation: A statement that 2 expressions are true.
- \* Solution: A value (number) that makes an equation true. ALSO Known as the Answer!

!! Remember !!

★ The opposite of addition is subtraction.  
The opposite of multiplication is division.  
These are called inverse operations!

Addition/Subtraction Property

$$\textcircled{a} \quad x - 1 = 8$$
$$+1 \qquad \qquad +1$$
$$x = 9$$

$$\textcircled{b} \quad x + 6 = 2$$
$$-6 \qquad \qquad -6$$
$$x = -4$$

Multiplication / Division Property

$$\textcircled{c} \quad 3m = 24$$
$$3 \qquad \qquad 3$$
$$m = 8$$

$$\textcircled{d} \quad \frac{x}{2} = 4 \cdot 2$$
$$2 \cdot \qquad \qquad 2$$
$$x = 8$$