

## Addition

①

$$x + 3 = 6$$

$$\text{L.H.S} = x + 3, \text{ R.H.S} = 6$$

$$\text{L.H.S} = \text{R.H.S}$$

$$x + 3 - 3 = 6 - 3$$

$$x = 3$$

check my answer:-

$$x + 3 = 6$$

$$3 + 3 = 6$$

$$6 = 6$$

②

2x

②

$$\boxed{2x - 5} = 7$$

L.H.S = R.H.S (x=?)

$$2x - 5 = 7$$

$$2x \ominus \cancel{5} + \cancel{5} = 7 + 5$$

$$2x = 12$$

$$\boxed{2 \times x} =$$

$$2x \div \underline{2} = \underline{12 \div 2}$$

$$x = 6$$

$$2x - 5 = 7$$

$$2(6) - 5 = 7$$

$$12 - 5 = 7$$

$$7 = 7$$



$$6x - 5 = +3x + 2$$



$$6x - 3x = +5 + 2$$

$$3x = 7$$

$$3x \div 3 = 7 \div 3$$

$$x = \frac{7}{3}$$

$$3 \cdot x = 7$$

$$\cdot \frac{1}{3}$$

$$3 \cdot x = 7$$

$$2x - 3 = x + 2$$

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$x = 5$

green = +

$$\begin{array}{|c|} \hline \square = x, \square = 1 \\ \hline \end{array}$$

$\square = -1$