

Solving Basic Equations - Part I

1 Solve for x

$$x + 6 = 18$$

$$\begin{array}{r} -6 \\ -6 \end{array}$$

$$x = 12$$

2 Solve for x

$$5 + x = 19$$

$$\begin{array}{r} -5 \\ -5 \end{array}$$

$$x = 14$$

3 Solve for x

$$30 = x + 22$$

$$\begin{array}{r} -22 \\ -22 \end{array}$$

$$8 = x$$

or $x = 8$

4 Solve for x

$$24 = 13 + x$$

$$\begin{array}{r} -13 \\ -13 \end{array}$$

$$11 = x$$

or $x = 11$

5 Solve for x

$$x - 7 = 3$$

$$\begin{array}{r} +7 \\ +7 \end{array}$$

$$x = 10$$

6 Solve for x

$$40 = x - 15$$

$$\begin{array}{r} +15 \\ +15 \end{array}$$

$$55 = x$$

or $x = 55$

7 Solve for x

$$x - 14 = 5$$

$$\begin{array}{r} +14 \\ +14 \end{array}$$

$$x = 19$$

8 Solve for x

$$14 - x = 5$$

$$\begin{array}{r} +x \\ +x \end{array}$$

$$14 = 5 + x$$

$$\begin{array}{r} -5 \\ -5 \end{array}$$

$$9 = x \text{ or } x = 9$$

9 Solve for x

$$64 - x = 17$$

$$\begin{array}{r} +x \\ +x \end{array}$$

$$64 = 17 + x$$

$$\begin{array}{r} -17 \\ -17 \end{array}$$

$$47 = x \text{ or } x = 47$$

10 Solve for x

$$10 - x = 12$$

$$\begin{array}{r} +x \\ +x \end{array}$$

$$10 = 12 + x$$

$$\begin{array}{r} -12 \\ -12 \end{array}$$

$$-2 = x \text{ or } x = -2$$