

Chapter 04

QUADRATIC EQUATIONS

Solution Set:

The set of elements representing the roots of quadratic equation, is called its “**Solution Set**”.

Example:

1) $x^2 - 4 = 0$

If $x = 2$

$$\Rightarrow (2)^2 - 4 = 0$$

$$\Rightarrow 4 - 4 = 0$$

$$\Rightarrow 0 = 0$$

if $x = -2$

$$\Rightarrow (-2)^2 - 4 = 0$$

$$\Rightarrow 4 - 4 = 0$$

$$\Rightarrow 0 = 0$$

$\therefore$ Solution set = $\{-2, 2\}$.