

\* Practice Set 2.1

g1] Write any two quadratic equation.

$$\Rightarrow 5x^2 + 7x + 0 = 0$$

$$\Rightarrow 2x^2 + 3x + 0 = 0$$

g2] Decide which of the following are quadratic equation.

1.  $x^2 + 5x - 2 = 0$

$\Rightarrow$  Compare with general equation  
 $ax^2 + bx + c = 0$

$\Rightarrow a = 1, b = 5, c = -2$

= Max. index / degree = 2

= So, given equation is quadratic equation.

2.  $y^2 = 5y - 10$

$$\Rightarrow y^2 - 5y + 10 = 0$$

$$\Rightarrow ax^2 + bx + c = 0$$

$$\Rightarrow a = 1, b = -5, c = 10$$

$\Rightarrow$  Max. index / degree = 2