

# Solutions or Roots

$$x^2 + 2x = 3$$

Solve using the zero product property.

$$x^2 + 2x - 3 = 0$$

$$(x + 3)(x - 1) = 0$$

$$x + 3 = 0 \quad \text{or} \quad x - 1 = 0$$

$$x = -3 \text{ or } x = 1$$

The **solutions** or **roots** of the polynomial equation are **-3** and **1**