

$$x^2 - 5x - 14 = 0$$

$$\Rightarrow (x - 7)(x + 2) = 0$$

$$\Rightarrow x - 7 = 0 \quad \text{or} \quad x + 2 = 0$$

$$\Rightarrow x = 7 \quad \text{or} \quad x = -2$$