

$$x^2 + 2x + 1 =$$

$$= (x + 1)^2$$

$$a^2 - b^2 =$$

$$= (a + b) \cdot (a - b)$$

$$x^2 + x =$$

$$=(x+1) \cdot x$$

$$(a+b)^2 =$$

$$= a^2 + 2ab + b^2$$

$$x^2 - 1 =$$

$$= (x+1) \cdot (x-1)$$

$$x^2 - 5x + 6 =$$

$$= (x - 2) \cdot (x - 3)$$

$$a^2 - 2ab + b^2 =$$

$$= (a - b)^2$$

$$x \cdot (x - 1) =$$

$$= x^2 - x$$

$$x^2 + 1 =$$

$$= (x + i) \cdot (x - i)$$

$$x^2 - 1 = 0 \Rightarrow$$

$$x = 1$$

\Rightarrow

$$x = -1$$

$$x^2 - 5x + 6 = 0 \Rightarrow$$

$$x = 2$$

\Rightarrow

$$x = 3$$

$$x^2 + 1 = 0 \Rightarrow$$

$$\Rightarrow x = \pm\sqrt{-1}, x \notin \mathbb{R}$$