

Exercises with Solutions

Exercise 1

Solve the equation $2x + 5 = 13$.

Solution 1

$$2x + 5 = 13$$

$$2x = 8$$

$$x = 4$$

Exercise 2

Calculate the area of a rectangle with length 8 cm and width 5 cm.

Solution 2

$$\text{Area} = l \times w = 8 \times 5 = 40 \text{ cm}^2$$

Exercise 3

Factor the expression $x^2 - 9$.

Solution 3

$$x^2 - 9 = (x + 3)(x - 3)$$