



N5 - Expressions & Formulae

Worksheet 3

Bronze Level



Outcome 1 - Completing the Square

Write the following quadratics
in the form...

$$y = (x + a)^2 + b.$$

$$\text{1} \quad y = x^2 + 4x + 20 \quad \text{2} \quad y = x^2 + 10x + 16$$

$$\text{3} \quad y = x^2 + 6x - 10 \quad \text{4} \quad y = x^2 + 12x + 15$$

$$\text{5} \quad y = x^2 + 8x - 11 \quad \text{6} \quad y = x^2 - 14x + 64$$

$$\text{7} \quad y = x^2 - 10x + 38 \quad \text{8} \quad y = x^2 - 18x + 77$$

$$\text{9} \quad y = x^2 - 22x + 123 \quad \text{10} \quad y = x^2 - 16x + 68$$