



Find the size of each interior angle of a regular nonagon (9 sides)

method 1

$$360 \div 9 = 40^\circ$$

$$180 - 40 = \underline{140^\circ}$$

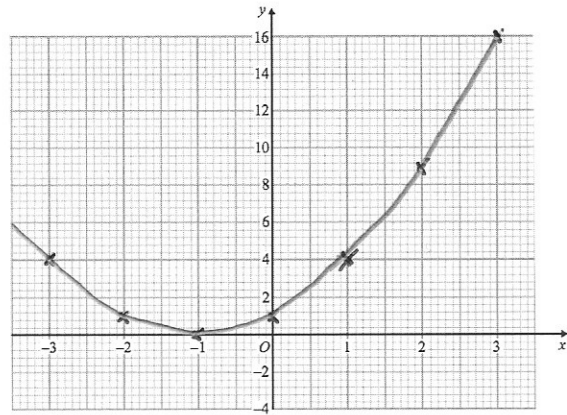
method 2

$$7 \times 180 = 1260$$

$$1260 \div 9 = 140^\circ$$

Complete the table of values for $y = x^2 + 2x + 1$

x	-3	-2	-1	0	1	2	3
y	4	1	0	1	4	9	16



On the grid, draw the graph of $y = x^2 + 2x + 1$ for the values of x from -3 to 3 .

Solve $x^2 + 5x - 50 = 0$

$$(x+10)(x-5) = 0$$

$$x = -10 \text{ or } x = 5$$

AD = 5cm
BD = 13cm

$$a^2 + b^2 = c^2$$

$$5^2 + b^2 = 13^2$$

Calculate the perimeter of rectangle ABCD

$$25 + b^2 = 169$$

$$5 + 5 + 12 + 12 = \boxed{34 \text{ cm}}$$

$$b^2 = 144$$

$$b = 12$$

