**18th March**

Corbettmaths

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

method 1

$360 \div 9 = 40°$

$180° - 40° = 140°$

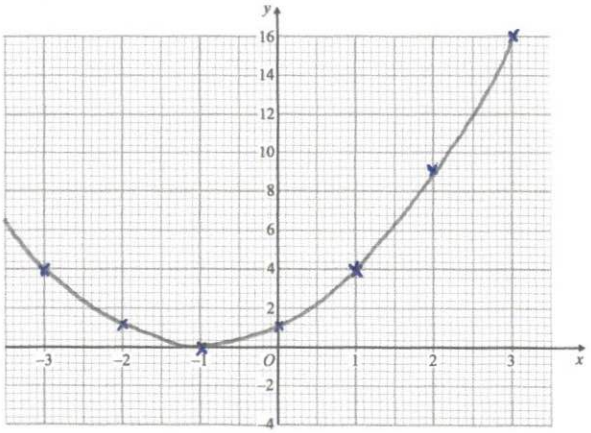
method 2

$7 \times 180 = 1260$

$1260 \div 9 = 140°$

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 |

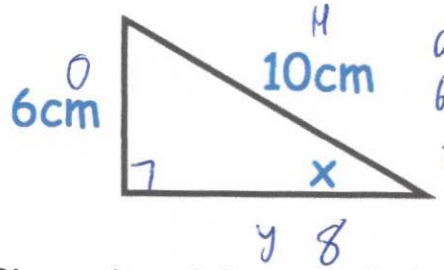



On the grid, draw the graph of $y = x^2 + 2x + 1$ for the values of x from -3 to 3.

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

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

$x = -10$ or $x = 5$




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

$6^2 + y^2 = 10^2$

$36 + y^2 = 100$

$y^2 = 64$

$y = 8$

Shown is a right angled triangle.

Find the size of Cos x

$\cos x = \frac{A}{H} = \frac{8}{10}$

$\cos x = \frac{4}{5}$