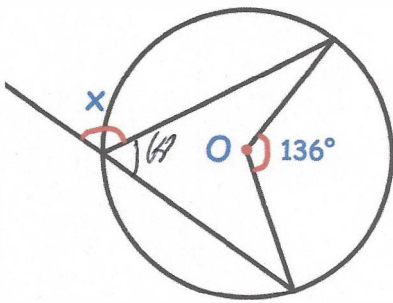


11th December



Corbettmaths



Find x

$$180 - 68 = 112^\circ$$

Expand and simplify

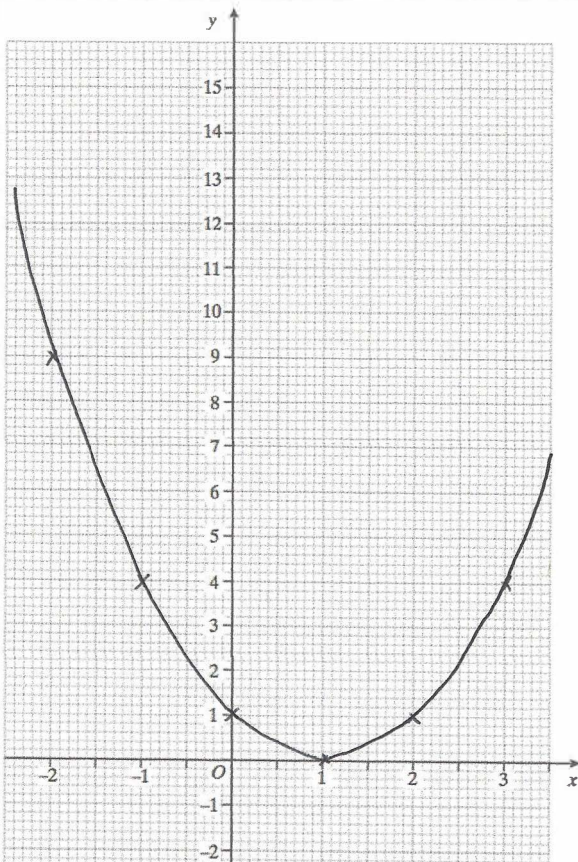
$$(x - 3)^3$$

$$(x - 3)(x - 3) = x^2 - 6x + 9$$

$$(x - 3)(x^2 - 6x + 9) =$$

$$x^3 - 6x^2 + 9x - 3x^2 + 18x - 27$$

$$x^3 - 9x^2 + 27x - 27$$



Draw the graph $y = x^2 - 2x + 1$

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

Write down the equation of the mirror line of $y = x^2 - 2x + 1$

$$x = 1$$

Write down the coordinates of the minimum point of $y = x^2 - 2x + 1$

$$(1, 0)$$