

20th June



Corbettmaths

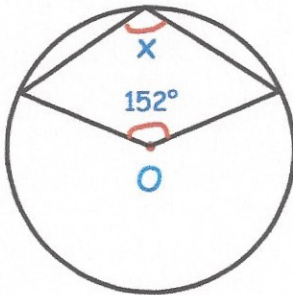
m is an irrational number such that

$$6 < m < 7$$

Write down a possible value of m

$$\sqrt{37}$$

$$\sqrt{48}$$



Find x

$$360 - 152 = 208$$

$$208 \div 2 = 104$$

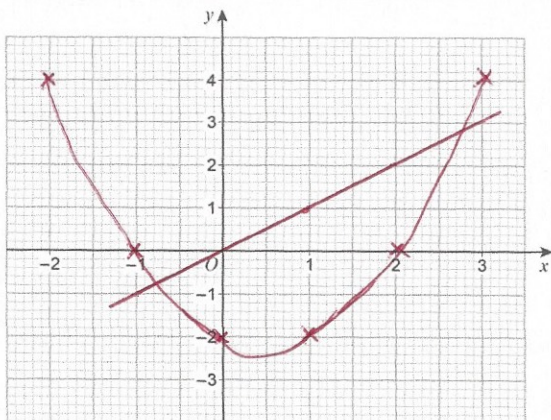
$$x = 104$$

$$s = ut + \frac{1}{2}at^2$$

Make u the subject

$$s - \frac{1}{2}at^2 = ut$$

$$\frac{s - \frac{1}{2}at^2}{t} = u$$



The graph of  $y = x^2 - x - 2$  has a line of symmetry.

Write down the equation of the line of symmetry

$$x = 0.5$$

Draw the graph of  $y = x^2 - x - 2$

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

By drawing an appropriate linear graph, solve  $x^2 - 2x - 2 = 0$

$$x^2 - x - 2 = x$$

$$x^2 - 2x - 2 = 0$$

y = x

$$x = -0.8, 2.8$$