

27th September



Corbettmaths

Solve, giving your answers to one decimal place.

$$7x^2 - 6x + 1 = 0$$

$$a = 7$$

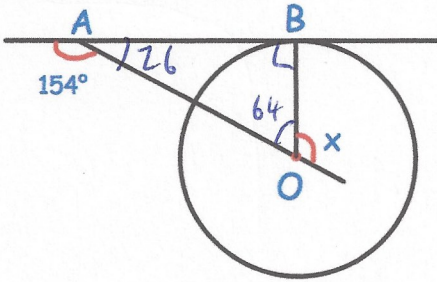
$$b = -6$$

$$c = 1$$

$$x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$$

$$x = \frac{6 \pm \sqrt{36 - 28}}{14} = \frac{6 \pm \sqrt{8}}{14}$$

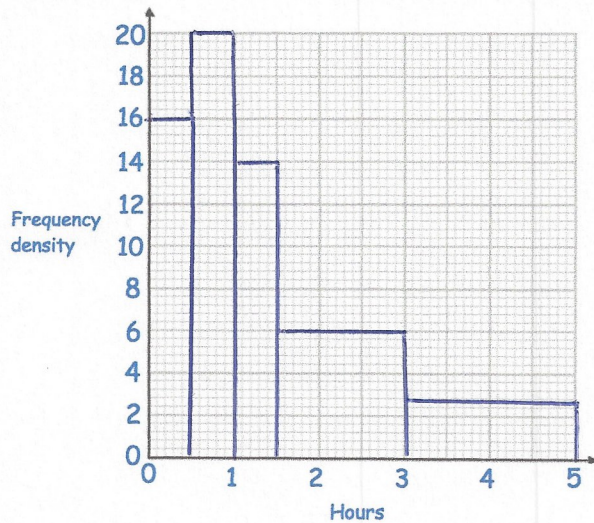
$$x = 0.6 \text{ or } x = 0.2$$



Find x

$$116^\circ$$

Waiting time, h	Frequency	fd
$0 < h \leq 0.5$	8	16
$0.5 < h \leq 1$	10	20
$1 < h \leq 1.5$	7	14
$1.5 < h \leq 3$	9	6
$3 < h \leq 5$	6	3



Draw a histogram for this data.

A is directly proportional to the square root of B.

When A = 120, B = 4.

Find A in terms of B.

$$A \propto \sqrt{B}$$

$$A = k \times \sqrt{B}$$

$$120 = k \times 2$$

$$k = 60$$

$$A = 60 \sqrt{B}$$