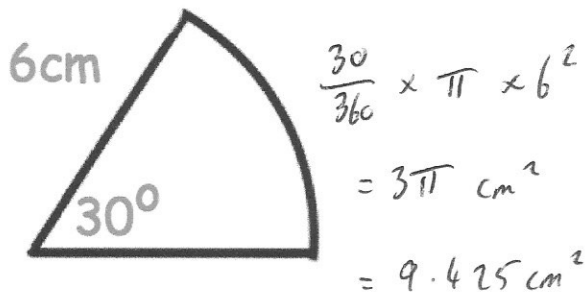


Work out 8^0

1

Work out $81^{\frac{1}{2}}$

9



Calculate the area.

Find the coordinates of the point where $y = 4x - 1$ and $y = -x$ intersect.

$$4x - 1 = -x$$

$$5x = 1$$

$$x = 0.2 \quad y = -0.2$$

(0.2, -0.2)

Mr Jones is a personal trainer. He created this table to show information about the ages of his clients. Explain how you know he had made a mistake.

The range should not be greater than the IQR.

Median	42
Interquartile range	50
Range	13

Solve, giving your answers to one decimal place.

$$x^2 - 4x + 2 = 0 \quad a=1 \quad b=-4 \quad c=2$$

$$x = \frac{4 \pm \sqrt{16 - 8}}{2}$$

 $x = 3.4 \quad \text{or} \quad x = 0.6$