



Shown is a regular pentagon.

Find angle ABC.

A empty circular swimming pool has radius 6m and height 2m.
The pool is going to be filled at a rate of 200 litres a minute.

$$1\text{m}^3 = 1000 \text{ litres}$$

How long will it take to fill the pool?

Work out the gradient of the straight line that passes through (2, 6) and (6, 12).

Natalie invests £800 for 2 years at 10% per year compound interest.

How much interest does she earn?

A sheet of glass has a mass of 4kg.
The density of the glass is 2.42g/cm^3

Find the volume of the glass.