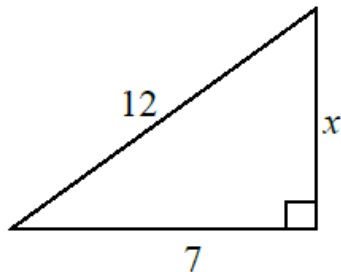


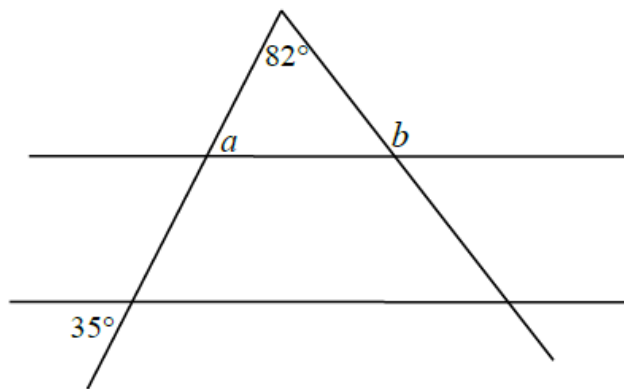
# Shapes and Circle Theorems – Section Test

- 1) What is the surface area in  $\text{cm}^2$  of a cuboid with dimensions 3 cm, 5 cm and 8 cm?
- 2) Find the length marked  $x$  in the triangle below.

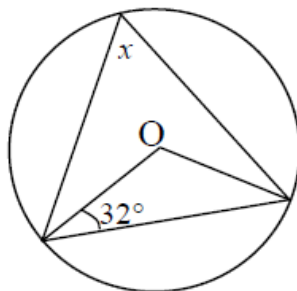


Give your answer as a decimal correct to 3 s.f.

Questions 3 – 4 are about the diagram below.

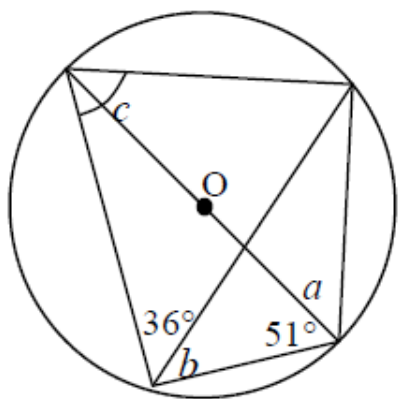


- 3) What is the value of angle  $a$  ?
- 4) What is the value of angle  $b$  ?
- 5) What is the internal angle of a regular octagon in degrees?
- 6) In the diagram below,  $O$  is the centre of the circle.



What is the value of  $x$  ?

Questions 7 – 9 are about the diagram below.  $O$  is the centre of the circle.



- 7) What is the value, in degrees, of angle  $a$  ?
- 8) What is the value, in degrees, of angle  $b$  ?
- 9) What is the value, in degrees, of angle  $c$  ?
- 10) In the diagram below, what is the value of angle  $q$  ?

