GCSE

MATHEMATICS
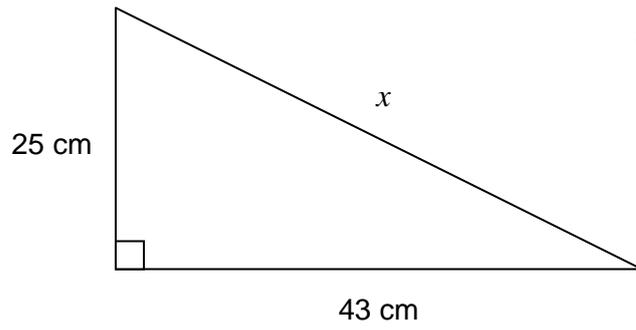
Topic tests – Higher tier- Shape

Name _____

1 (a) Calculate the length x in the triangle.
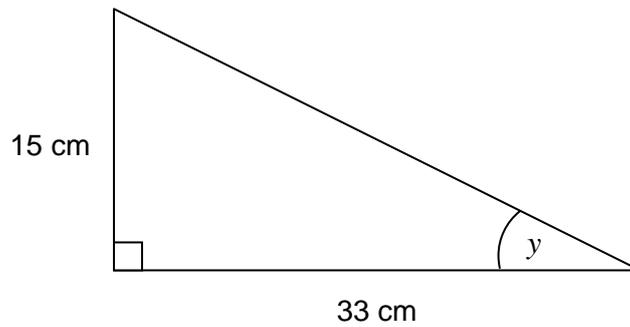
[3 marks]

Not drawn
accurately

x

25 cm

43 cm

Answer _____ cm

1 (b) Calculate the angle y in the triangle.

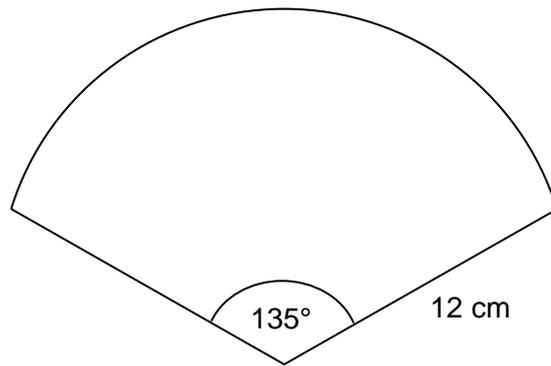[3 marks]

Not drawn
accurately

15 cm

y

33 cm

Answer _____ degrees

AQA

2　　The diagram shows a sector of a circle, radius 12 cm

Not drawn
accurately

135°　　12 cm

Show that the perimeter of the sector is greater than 52 cm
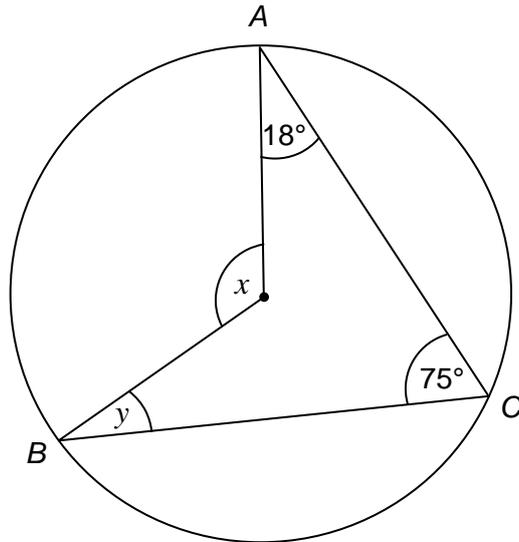
[3 marks]

_____

_____

_____

_____

_____

_____

_____

_____

3   Work out the length x in this triangle.

[3 marks]

Not drawn
accurately

75°

8 cm

6 cm

x

Answer _____ cm

AQA
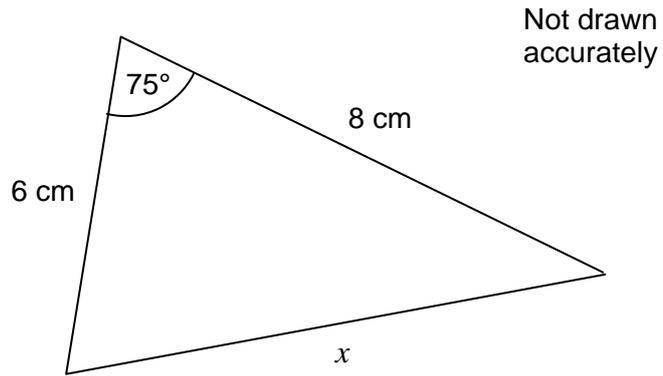
4 The diagram shows a circle, centre O.

Not drawn accurately

4 (a) Work out the size of angle x.

[1 mark]

_____

Answer _____ degrees

4 (b) Work out the size of angle y.

[3 marks]

_____

_____

_____

_____
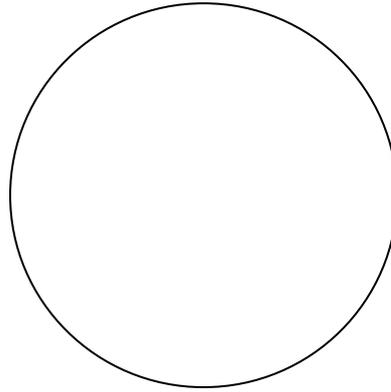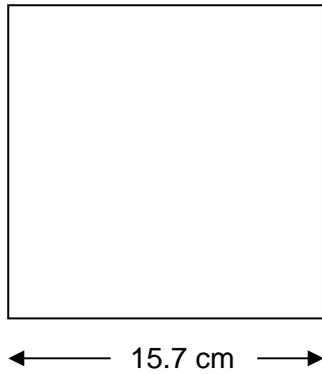
Answer _____ degrees

5   A square of side 15.7 cm is made from a length of wire.

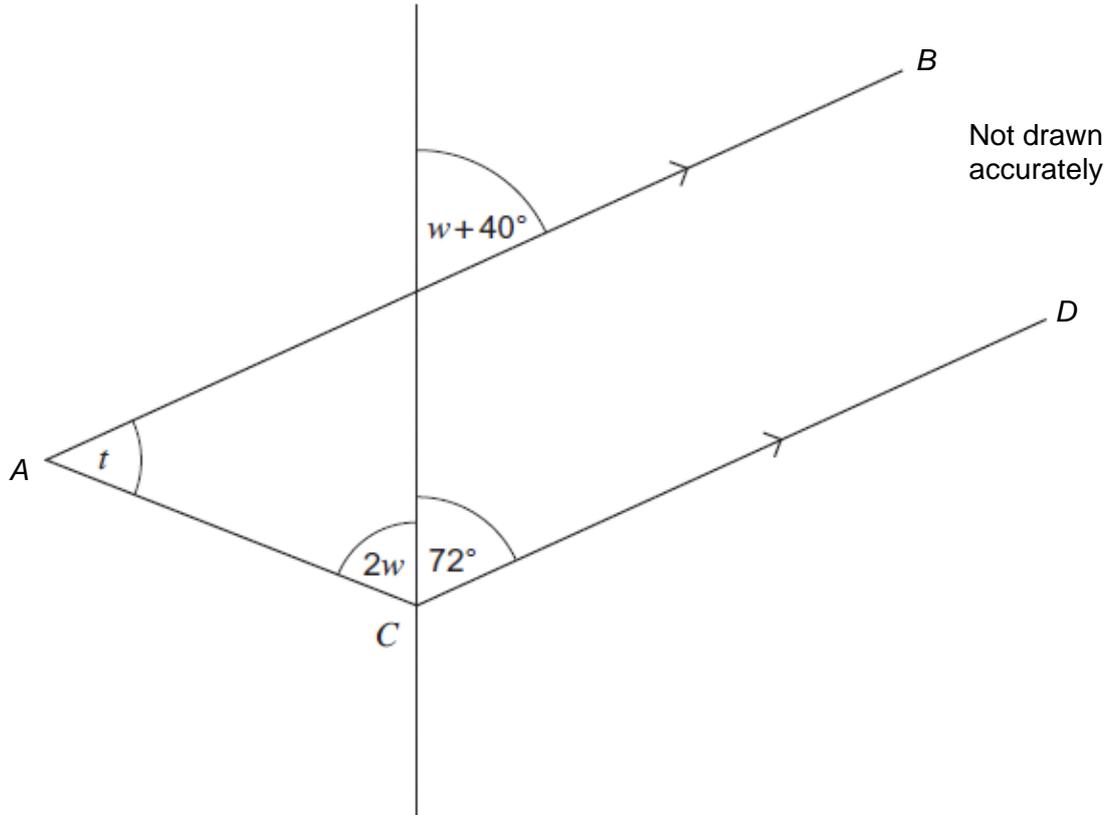The same length of wire is then made into a circle.

Not drawn
accurately

15.7 cm

Work out the diameter of the circle.

[4 marks]

Answer _____ cm

AQA

6 *AB* is parallel to *CD*.

Not drawn accurately

Work out the value of *t*.

[5 marks]

_____

_____

_____

_____

_____

Answer _____ degrees

END OF QUESTIONS