1 In a **right-angled** triangle

smallest angle : largest angle = 2 : 5

Work out the three angles of the triangle.

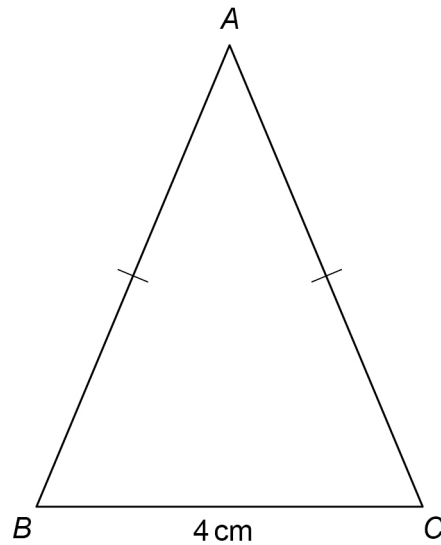**[4 marks]**

_____ degrees

_____ degrees

_____ degrees

2   In this isosceles triangle,

$AB = AC$

A

Not drawn
accurately

B   4 cm   C

The perimeter of the triangle is 22 cm

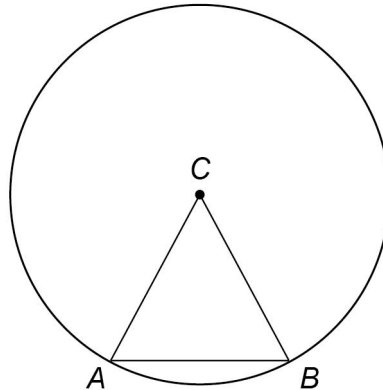Work out the length of *AB*.

[3 marks]

_____

_____

_____

_____

_____

_____

Answer _____ cm

3   For each statement, tick the correct box.

[3 marks]

	Always true	Sometimes true	Never true
One of the three angles of a triangle is 90°	☐	☐	☐
One of the three angles of a triangle is obtuse	☐	☐	☐
One of the three angles of a triangle is reflex	☐	☐	☐

4   *A* and *B* are points on a circle.

         C is the centre of the circle.

Not drawn
accurately

Tick **one** box for each statement.

[3 marks]

	Definitely true	Might be true	Cannot be true
Line *AB* is a tangent to the circle	☐	☐	☐
AC is an arc of the circle	☐	☐	☐
Triangle *ABC* is equilateral	☐	☐	☐

5

6.3 cm

20 cm

Not drawn
accurately
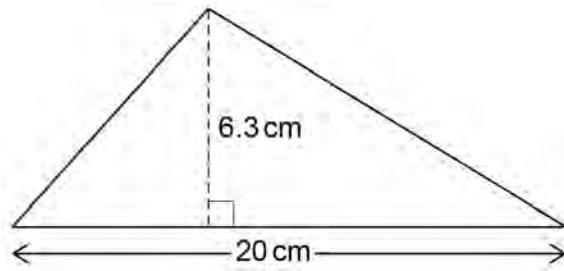
Work out the area of this triangle.

[2 marks]

Answer _____ cm^2