1 Work out the area of the triangle.

6 cm

83°

11 cm

Not drawn accurately

[2 marks]

Answer _____ cm²

2 Work out the area of the triangle.

42°

4.4 cm

3.8 cm

Not drawn accurately

[2 marks]

Answer _____ cm²

$\frac{}{4}$
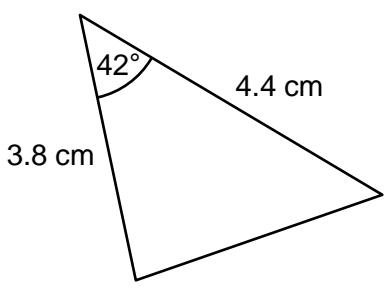
3   Work out the area of the triangle.

9 cm   162°   Not drawn
accurately
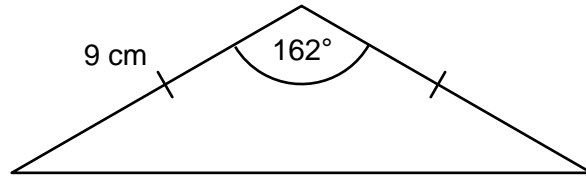
[2 marks]

Answer _____ cm²

4   Work out the area of the triangle.

🧮

10 cm
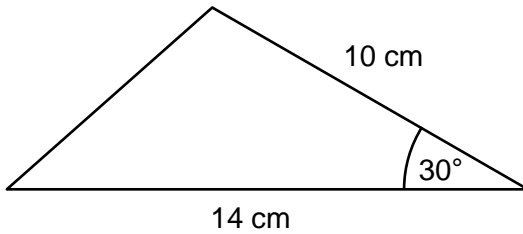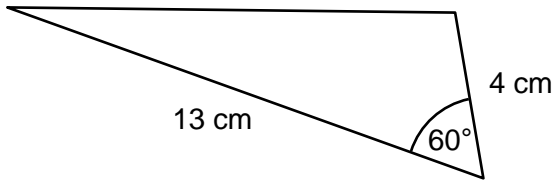
Not drawn
accurately

30°

14 cm

[3 marks]

Answer _____ cm²

5 Work out the area of the triangle.
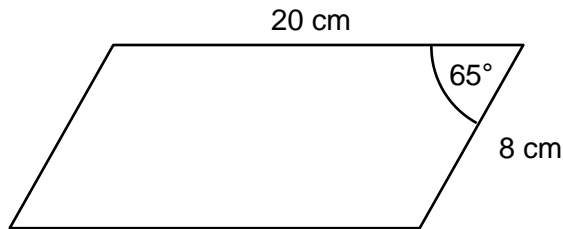Give your answer in the form $k\sqrt{3}$, where k is an integer.

4 cm

Not drawn
accurately

13 cm

60°

[3 marks]

Answer _____ cm²

6 Work out the area of the parallelogram.

20 cm

65°

Not drawn
accurately

8 cm

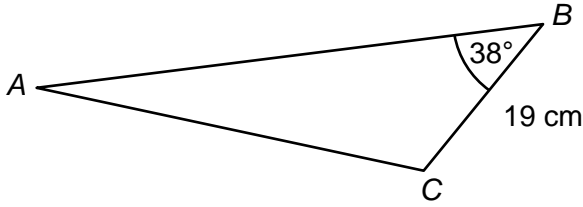**[3 marks]**

Answer _____ cm²   11

Turn over ▶

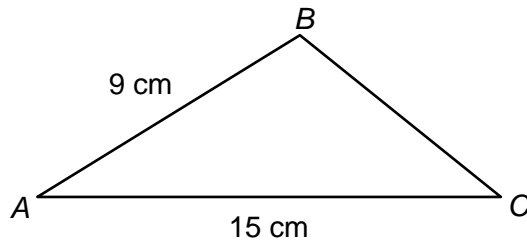**7** The area of triangle *ABC* is 350 cm^2

Not drawn
accurately

Work out the length of *AB*. **[3 marks]**

Answer _____ cm

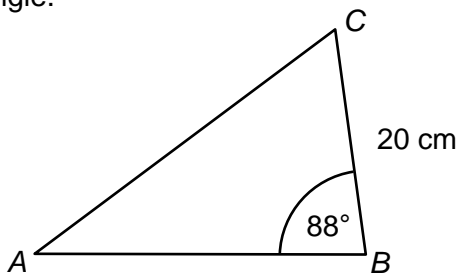**8** The area of triangle *ABC* is 23 cm^2

Not drawn
accurately

Work out the size of the acute angle, *BAC*. **[3 marks]**

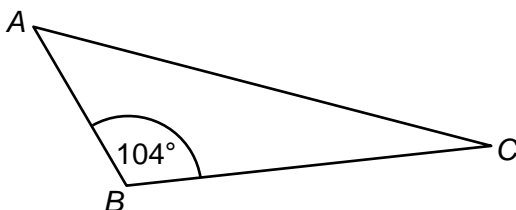Answer _____ °

9   *ABC* is a triangle.

Not drawn
accurately

AB : *BC* = 8 : 5
Work out the area of triangle *ABC*.   **[3 marks]**

Answer _____ cm²

10   *ABC* is a triangle.

Not drawn
accurately

AB : *BC* = 1 : 3
The area of triangle *ABC* is 123 cm²
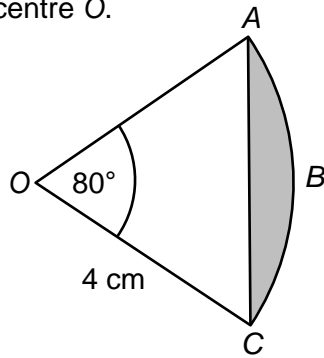Work out the length of *AB*.   **[3 marks]**

Answer _____ cm

$\boxed{\dfrac{}{12}}$

Turn over ▶

11   *OABC* is a sector with centre *O*.

Not drawn
accurately

Calculate the area of the shaded region.   **[4 marks]**

_____

_____

_____

_____

Answer _____ cm^2

12   *AOB* is an isosceles triangle with *OA* = *OB*
COD is a sector, centre *O*.
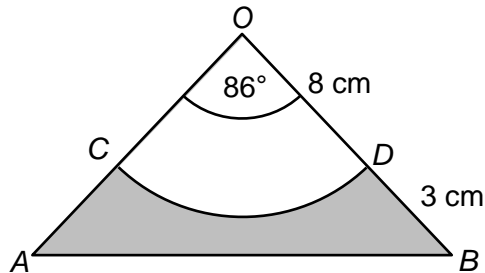
Work out the area of the shaded region.   **[4 marks]**

_____

_____

_____

_____

Answer _____ cm^2

13 *ABCDEF* is a triangular prism.

E

B

7 cm

110°

D

A

C

15 cm

F

12 cm
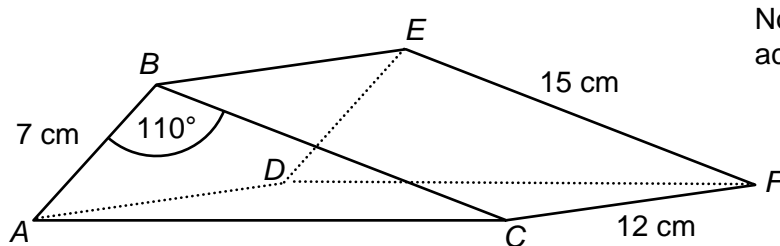
Not drawn accurately

The prism has a mass of 0.5 kg.
Calculate the density of the prism in g/cm^3
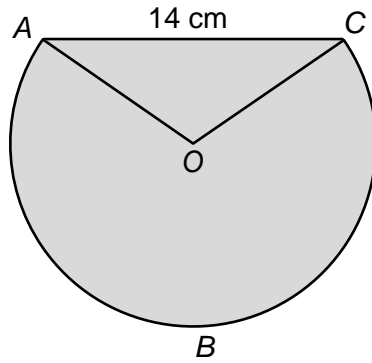Give your answer to 3 significant figures.

[5 marks]

Answer _____ g/cm^3

13

Turn over ▶

14   *ABCO* is a sector with centre *O*.

A   14 cm   C

O

Not drawn
accurately

B

The perimeter of triangle *AOC* is 30 cm.
Calculate the shaded area.

[6 marks]

Answer _____ cm²

6