20. Here is a triangle ABC.

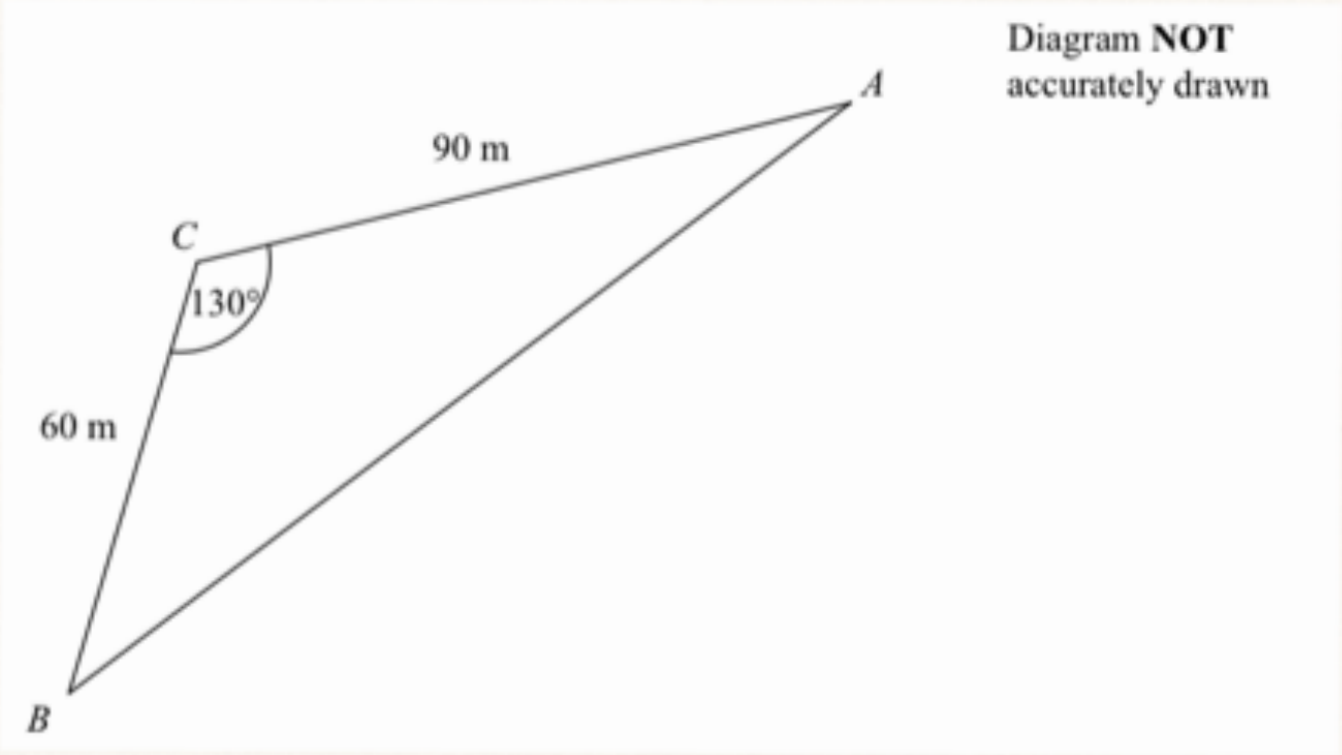

Diagram **NOT** accurately drawn

$AC = 90$ m.
$BC = 60$ m.
Angle $ACB = 130°$.

Calculate the perimeter of the triangle.
Give your answer correct to one decimal place.

7.

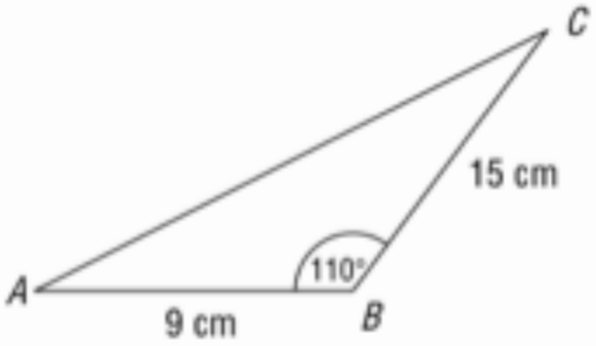

Diagram **NOT** accurately drawn

ABC is a triangle.
AB = 9 cm
BC = 15 cm
Angle *ABC* = 110°

Calculate the area of the triangle.
Give your answer correct to 3 significant figures.

20. Here is a triangle ABC.

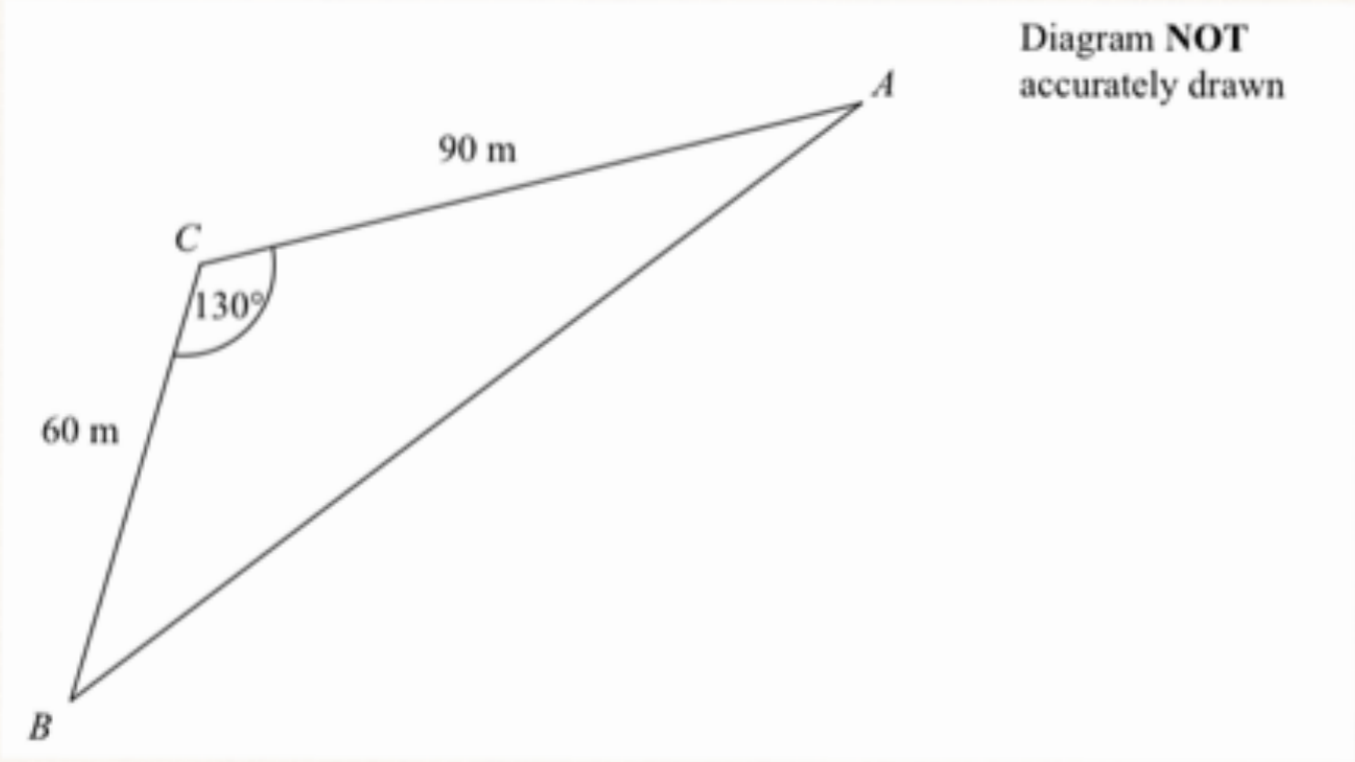

Diagram **NOT** accurately drawn

$AC = 90$ m.
$BC = 60$ m.
Angle $ACB = 130°$.

Calculate the perimeter of the triangle.
Give your answer correct to one decimal place.

26. The diagram shows a sector of a circle with centre O.
The radius of the circle is 8 cm.

PRS is an arc of the circle.
PS is a chord of the circle.
Angle $POS = 40°$

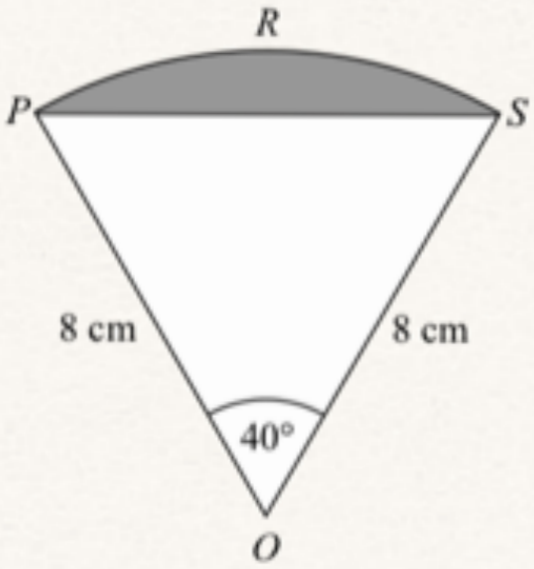

Diagram **NOT** accurately drawn

Calculate the area of the shaded segment.
Give your answer correct to 3 significant figures.

9.

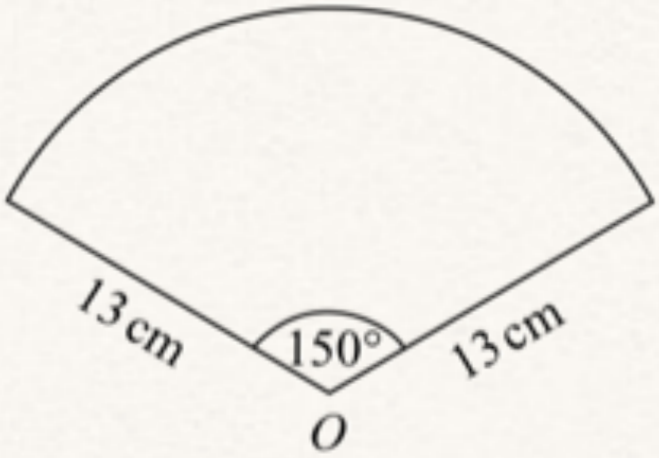

Diagram **NOT**
accurately draw

The diagram shows a sector of a circle, centre O.
The radius of the circle is 13 cm.
The angle of the sector is 150°.

Calculate the area of the sector.
Give your answer correct to 3 significant figures.

22.

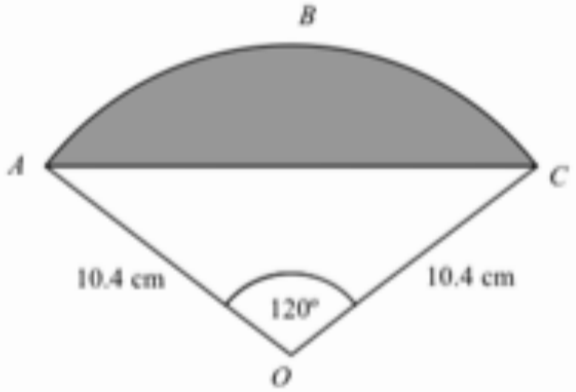

Diagram **NOT** accurately drawn

The diagram shows a sector $OABC$ of a circle with centre O.
$OA = OC = 10.4$ cm.
Angle $AOC = 120°$.

(a) Calculate the length of the arc ABC of the sector.
Give your answer correct to 3 significant figures.

..... cm
(3)

(b) Calculate the area of the shaded segment ABC.
Give your answer correct to 3 significant figures.