

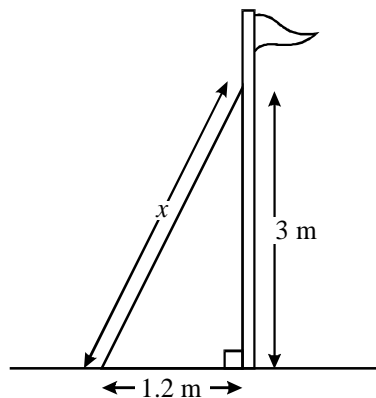
1. A circular pond has a radius of 2.2 m.
- (a) Calculate the circumference of the pond.

Answer m

- (b) Calculate the area of the pond.

Answer

2. A support for a flagpole is attached at a height of 3 m and is fixed to the ground at a distance of 1.2 m from the base.



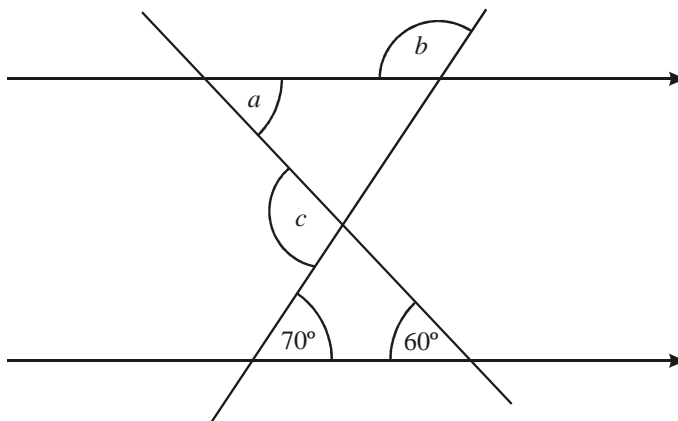
Not to scale

Calculate the length of the support (marked x on the diagram).

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Answer m

3.



Not drawn accurately

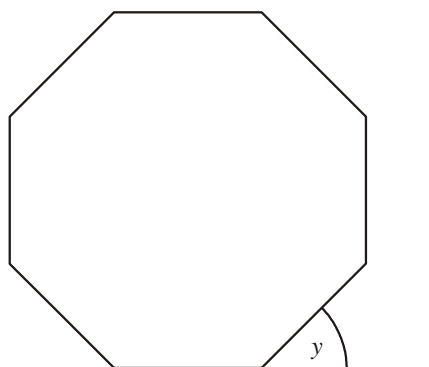
Work out the values of a , b and c .

Answer a = degrees

b = degrees

c = degrees

4. The diagram shows a regular octagon.



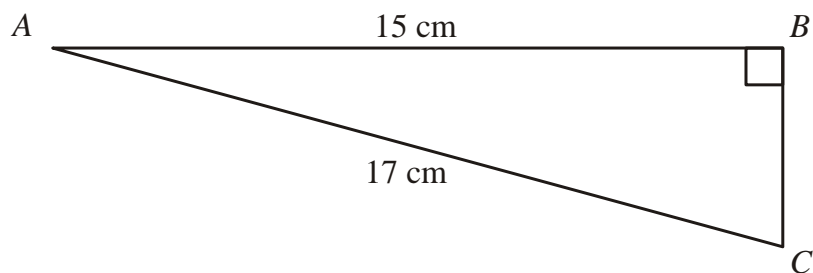
Calculate the size of the exterior angle of the regular octagon, marked y on the diagram.

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Answer.....

(Total 2 marks)

5. ABC is a right-angled triangle.
 $AB = 15$ cm, $AC = 17$ cm



Not drawn accurately

Calculate the length of the side BC .

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Answer cm