radius= 2-2 diameter=4.4

1. A circular pond has a radius of 2.2 m.

(a) Calculate the circumference of the pond.

C=T/xdiameter

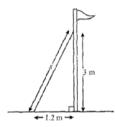
Answer 7/x4-4=13-8

(b) Calculate the area of the pond.

A=TX12

Answer 71x2-22 - 15-2M2

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.



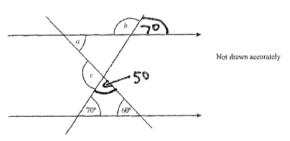
Not to scale

32+1.22= x2 10.44 = 262 26-40-44

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

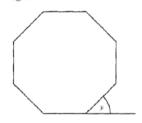
3.23

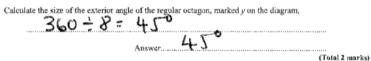
3.



Work out the values of a, b and c.

4. The diagram shows a regular octagon,





5. ABC is a right-angled triangle.

AB = 15 cm, AC = 17 cm

