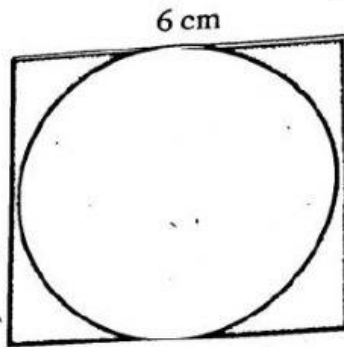


11.



NOT TO SCALE

A square has sides of 6 cm. A circle is placed in the square as shown in the diagram above.

- (a) State the length of the radius of the circle.

Answer: \_\_\_\_\_ cm [1]

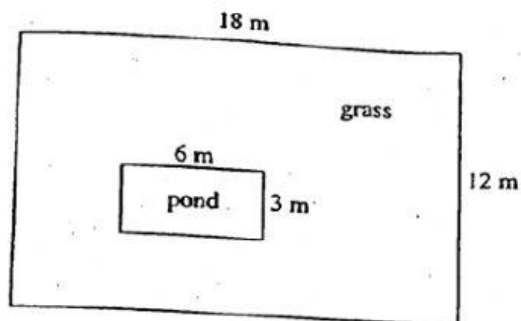
- (b) Determine the area of the circle using  $\pi = 3.14$ .

Answer: \_\_\_\_\_  $\text{cm}^2$  [3]

- (c) Find the area of the shaded region.

Answer: \_\_\_\_\_  $\text{cm}^2$  [ ]

20. The diagram shows a garden with a pond in it surrounded by grass.



Calculate

- (a) the length of fencing needed to go completely around the pond.

Answer: \_\_\_\_\_ m [2]

- (b) the area of the pond.

Answer: \_\_\_\_\_ m<sup>2</sup> [2]

- (c) the area of the grassy region.

Answer: \_\_\_\_\_ m<sup>2</sup> [2]