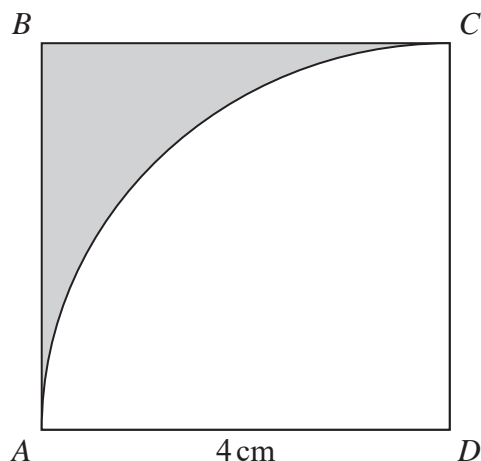**6**

Diagram **NOT**
accurately drawn

The diagram shows a square, *ABCD*, whose sides are 4 cm long. A quarter circle, of radius 4 cm and centre *D*, is drawn inside the square, as shown in the diagram.

Calculate the area, in cm² to 3 significant figures, of the shaded region in the diagram.

.... cm²

(Total for Question 6 is 2 marks)

7 A regular polygon has 24 sides.

Find the size, in degrees, of each **exterior** angle.

....°

(Total for Question 7 is 2 marks)