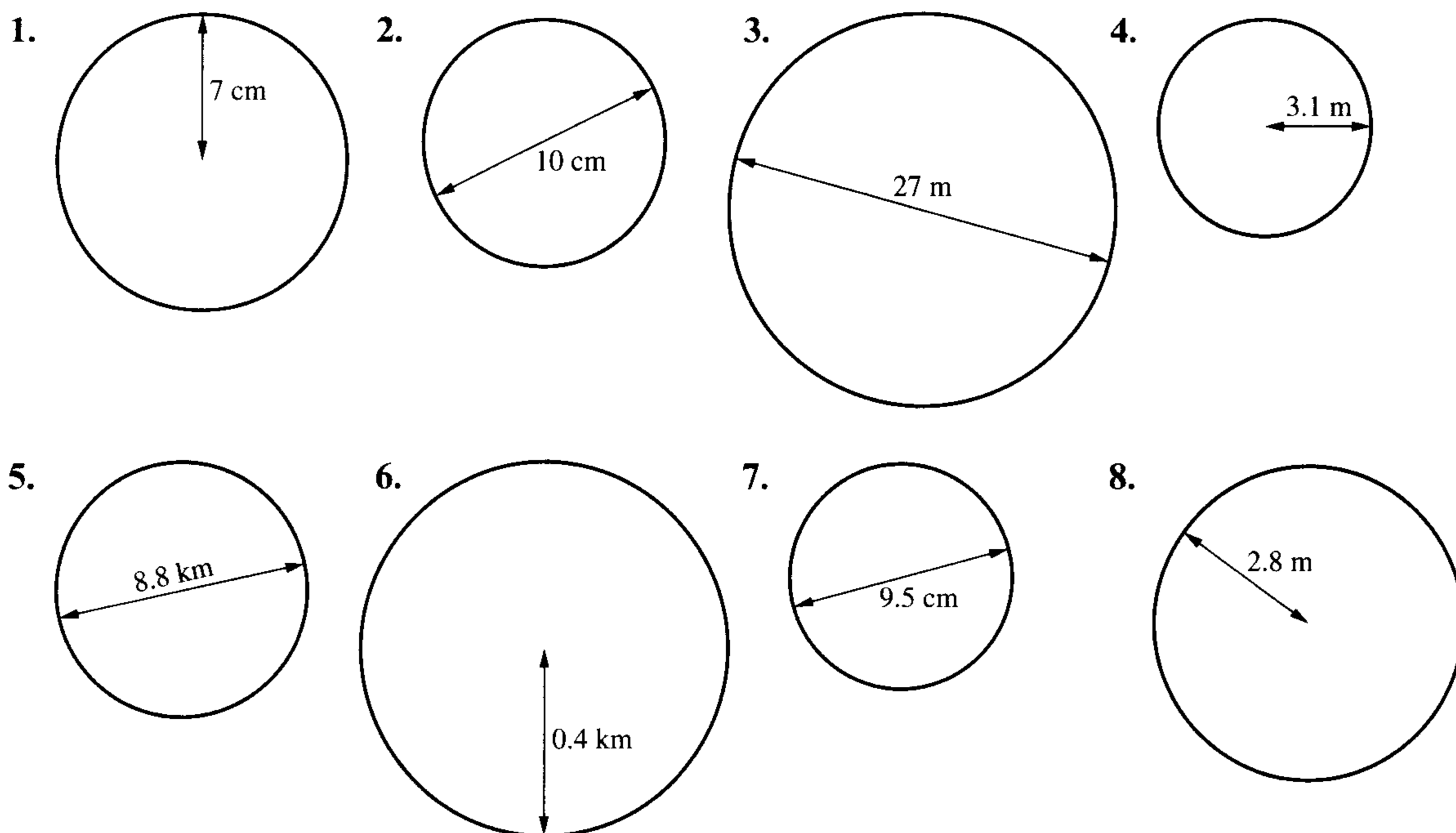


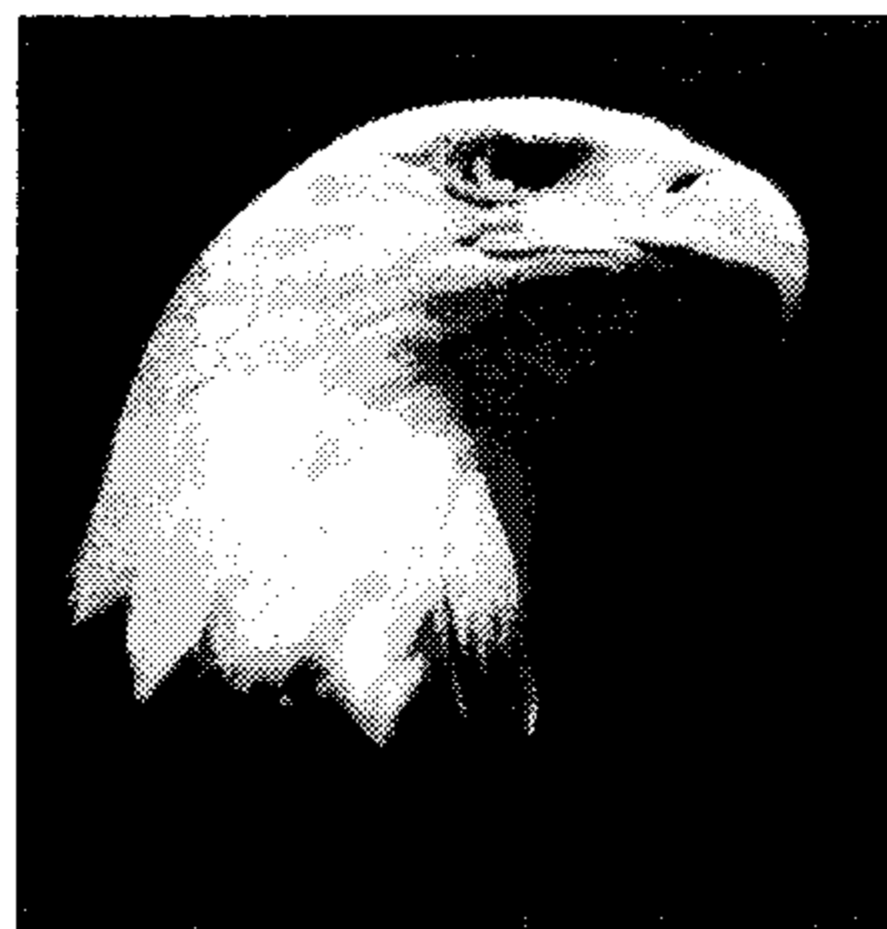
### Exercise 4

In Questions 1 to 8 calculate the area of each circle correct to 1 d.p.



In Questions 9 to 22 give your answers correct to 1 d.p., where necessary.

9. When hunting for food, an eagle flies over a circular region of radius 3.5 km. What is the area of this region in  $\text{km}^2$ ?
10. A carton of 'Verdone' weedkiller contains enough weedkiller to treat an area of  $100 \text{ m}^2$ . A circular lawn at Hampton Court has a radius of 16.5 m. How many cartons of weedkiller are needed to treat this lawn?



In Questions 11 to 14 find the area of each shape. All arcs are either semi-circles or quarter circles and the units are cm.

