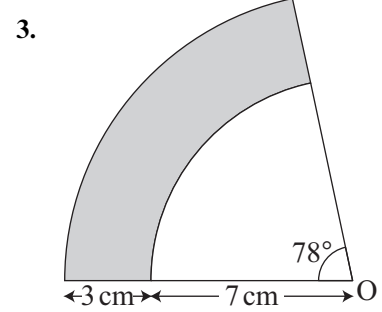
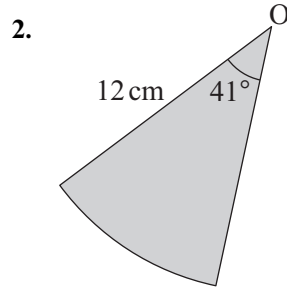
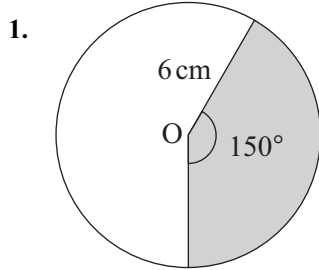


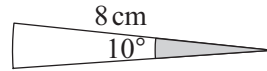
## TASK 3.6

In this task, O is always the centre of the circle. Give answers to 1 d.p.

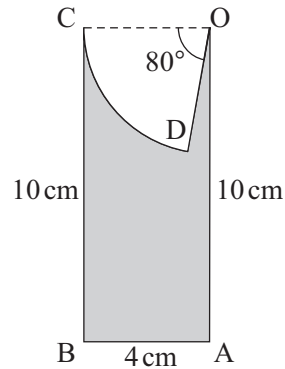
In Questions 1 to 3, find each shaded area.



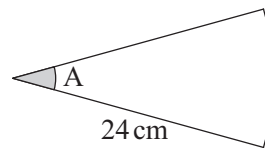
4. Show that the area of this sector is exactly  $\frac{16\pi}{9} \text{ cm}^2$ .



5. ODC is a sector of radius 4 cm. Find the shaded area, leaving your answer in terms of  $\pi$ .



6. Find the value of A if the area of the sector is  $90 \text{ cm}^2$ .



7. Find the area of the shaded segment.

