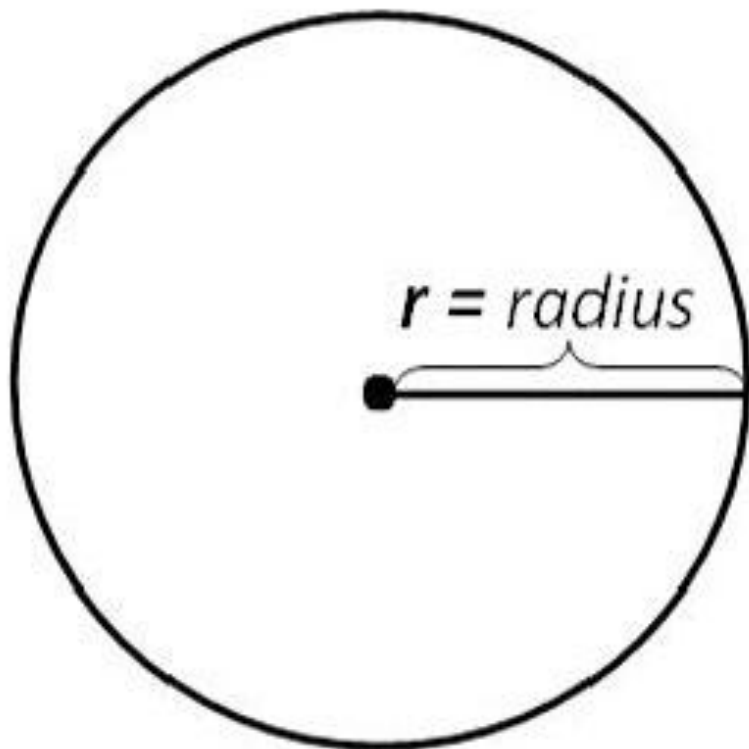
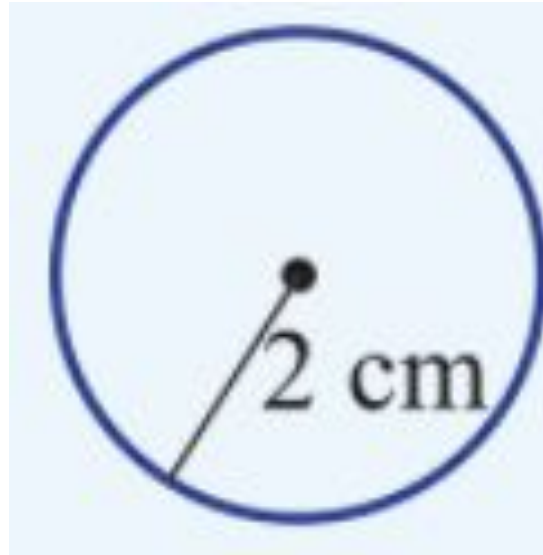


AREA OF A CIRCLE



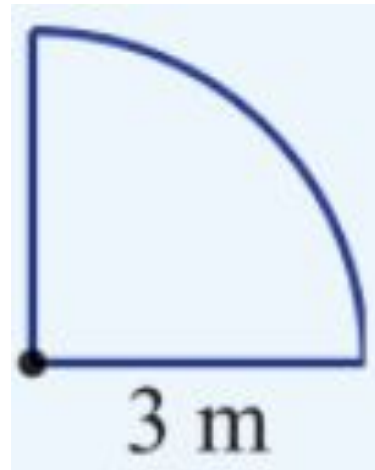
$$A = \pi r^2$$

AREA OF A CIRCLE - EXAMPLE



$$\begin{aligned} A &= \pi r^2 \\ &= \pi \times 2^2 \\ &= 12.57 \text{ cm}^2 \quad (\text{to 2 decimal places}) \end{aligned}$$

AREA OF A PORTION OF A CIRCLE - EXAMPLE



$$\begin{aligned} A &= \frac{1}{4} \times \pi r^2 \\ &= \frac{1}{4} \times \pi \times 3^2 \\ &= 7.07 \text{ m}^2 \quad (\text{to 2 decimal places}) \end{aligned}$$