



If $d = 12$ cm, then:

$$r = d/2 = 12 \text{ cm}/2 = \mathbf{6\text{cm}}$$

$$\begin{aligned} A &= \pi r^2 \\ &= 3.14 \times (6 \text{ cm})^2 \\ &= 3.14 \times 6 \text{ cm} \times 6 \text{ cm} \\ &= \mathbf{113.04 \text{ cm}^2 \text{ or } 113.1 \text{ cm}^2 \text{ (with } \pi \text{ button)}} \end{aligned}$$

$$\begin{aligned} C &= 2\pi r = \pi d \\ &= 3.14 \times 12 \text{ cm} \\ &= \mathbf{37.68 \text{ cm or } 37.7 \text{ cm (with } \pi \text{ button)}} \end{aligned}$$