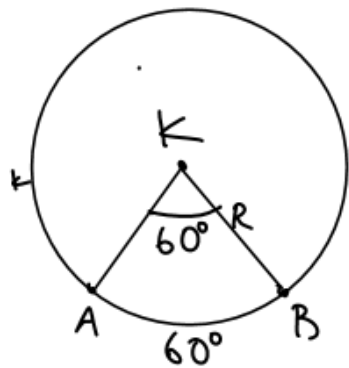


$$K, \quad \widehat{AB} = 60^\circ, \quad l_{\widehat{AB}} = 4\pi \text{ cm}, \quad E = ?$$

ΔXSH



$$E = n \cdot R^2$$

$$l_{AB} = 4\pi \Leftrightarrow \frac{n \cdot R \cdot 60^\circ}{180^\circ} = 4\pi \Leftrightarrow$$

$$\Leftrightarrow \frac{R}{3} = 4 \Leftrightarrow R = 12 \text{ cm}$$

$$E = n \cdot R^2 = n \cdot 12^2 = \underline{\underline{144\pi \text{ cm}^2}}$$