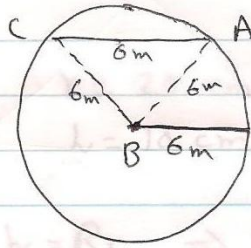


ANSWER ①

page (26)



بما أن المثلث ABC

مطابق الأضلاع

$$\angle CBA = 60^\circ = \frac{180}{3} \text{ degrees}$$

$$= 60 \times \frac{\pi}{180} = 1.05$$

$$A = \frac{1}{2} r^2 [R - \sin R]$$

$$= \frac{1}{2} (36) [1.05 - \sin(1.05)] \rightarrow \text{in Radian}$$

$$= \frac{1}{2} (36) [1.05 - \sin(1.05)]$$

$$= 3.3 \text{ وحدة}$$

ANSWER ④

page (26)

$$L = Rr$$

$$80 = R(16)$$

$$R = 5$$

$$\therefore A = \frac{1}{2} r^2 [R - \sin R]$$

$$= \frac{1}{2} (16^2) [5 - \sin(5)]$$

$$= 762.7 \text{ وحدة}$$