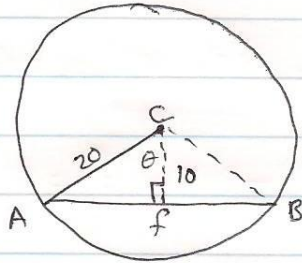


Answer: 8

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$$\cos \theta = \frac{10}{20} \Rightarrow \theta = \text{shift} \rightarrow \cos\left(\frac{10}{20}\right)$$
$$\angle ACF = 60^\circ$$

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

$$\therefore \angle ACB = 2 \times 1.05$$
$$= 2.1$$

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

$$= \frac{1}{2} (20^2) [2.1 - \sin(2.1)]$$

$$= 247.4 \text{ } \begin{matrix} \text{sq} \\ \text{unit} \end{matrix}$$