

Name : _____

Score : _____ Date : _____

Area of Sector of a Circle

Solved Example :



$$\begin{aligned} \text{Area of a sector} &= \frac{\text{central angle}}{360^\circ} \times \pi \times (\text{radius})^2 \\ &= \frac{Q \times \pi \times r^2}{360^\circ} \\ &= \frac{30^\circ \times 3.14 \times 3 \times 3}{360^\circ} = 2.35 \text{ yd}^2 \end{aligned}$$

Find the area of the shaded region. Round the area to two decimal places (use $\pi = 3.14$)

1



Area = _____

2



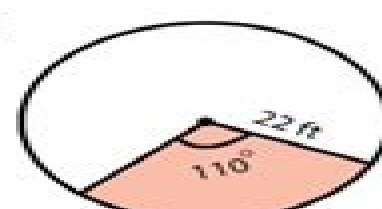
Area = _____

3



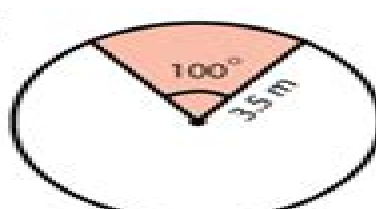
Area = _____

4



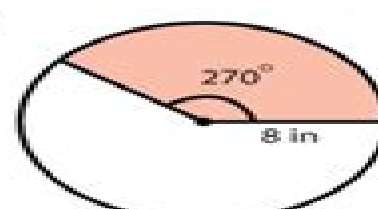
Area = _____

5



Area = _____

6



Area = _____

7



Area = _____

8



Area = _____

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