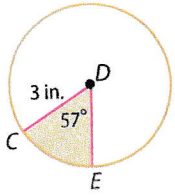


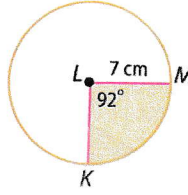
Area of the Sector.

Find the area of the shaded region. Use 3.14 for pi. Round to the nearest hundredth.

1.



2.

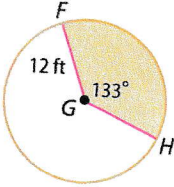


$$A = \pi r^2 \cdot \frac{\theta}{360}$$

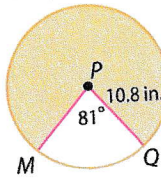
$$\pi \cdot 7^2 \cdot \frac{92}{360}$$

$$A \approx 39.32 \text{ cm}^2$$

3.



4.



$$\pi r^2 \cdot \frac{\theta}{360}$$

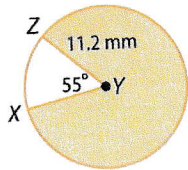
$$\pi \cdot 10.8^2 \cdot \frac{81}{360}$$

$$\frac{360}{-81}$$

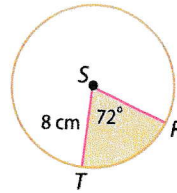
$$279$$

$$A \approx 283.84 \text{ in}^2$$

5.



6.

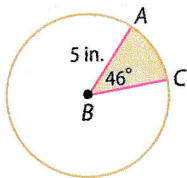


$$A = \pi r^2 \cdot \frac{\theta}{360}$$

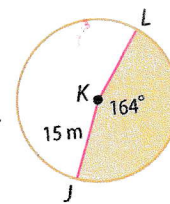
$$\pi \cdot 8^2 \cdot \frac{72}{360}$$

$$A \approx 40.19 \text{ cm}^2$$

7.



8.

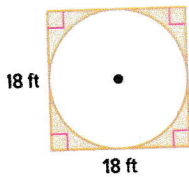


$$A = \pi r^2 \cdot \frac{\theta}{360}$$

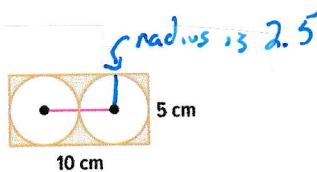
$$\pi \cdot 15^2 \cdot \frac{164}{360}$$

$$A \approx 321.85 \text{ m}^2$$

9.



10.



Rect - 2 circles

$$b \cdot h - 2(\pi r^2)$$

$$10 \cdot 5 - 2\pi \cdot 2.5^2$$

$$A \approx 10.75 \text{ cm}^2$$