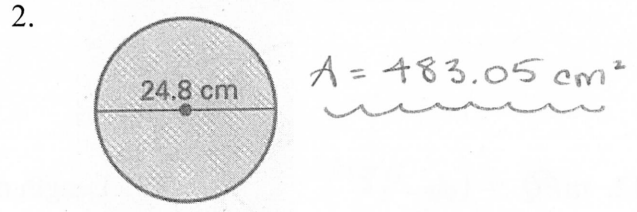
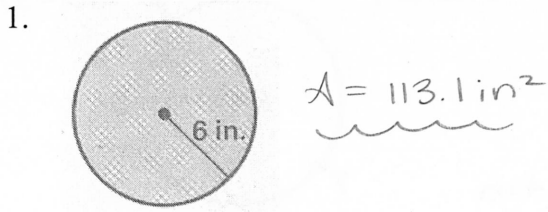


Find the exact area of the circle. Then find the area to the nearest hundredth.



Find the indicated measure.

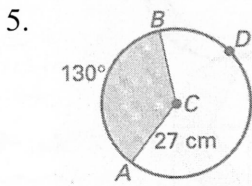
3. The area of a circle is  $173 \text{ in}^2$ . Find the radius to the nearest hundredth.

$r = 7.42 \text{ in}$

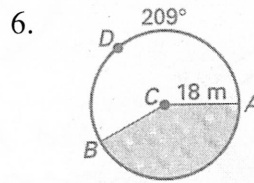
4. The area of a circle is  $654 \text{ cm}^2$ . Find the diameter to the nearest hundredth.

$d = 28.86 \text{ cm}$

Find the areas of the sectors formed by  $\angle ACB$  to the nearest hundredth.



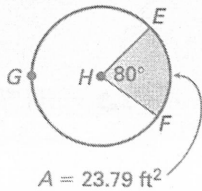
Shaded Area =  $827.02 \text{ cm}^2$   
 Unshaded Area =  $1,463.20 \text{ cm}^2$



Shaded Area =  $426.94 \text{ m}^2$   
 Unshaded Area =  $590.93 \text{ m}^2$

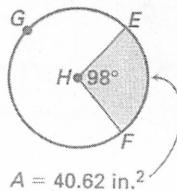
Use the diagram to find the indicated measure to the nearest hundredth.

7. Find the area of  $\odot H$ .



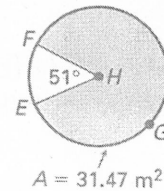
$A = 107.06 \text{ ft}^2$

8. Find the radius of  $\odot H$ .



$r = 6.89 \text{ in}$

9. Find the diameter of  $\odot H$ .

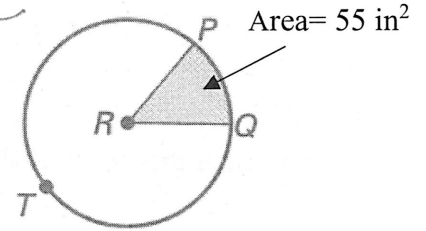


$d = 6.82 \text{ m}$

The area of  $\odot R$  is  $295.52 \text{ in}^2$  and the area of sector  $PRQ$  is  $55 \text{ in}^2$ . Find the indicated measure to the nearest hundredth.

10. Radius of  $\odot R = 9.7 \text{ in}$

11. Circumference of  $\odot R = 60.95 \text{ in}$



12.  $m\widehat{PQ} = 66.98^\circ$

13. Length of  $\widehat{PQ} = 11.34 \text{ in}$

Area of  $\odot R = 295.52 \text{ in}^2$

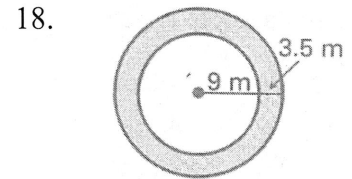
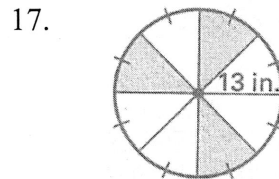
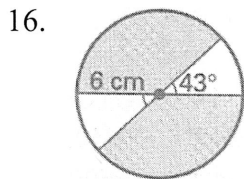
14. Perimeter of shaded region

15. Perimeter of unshaded region

$P = 30.74 \text{ in}$

$P = 69.01 \text{ in}$

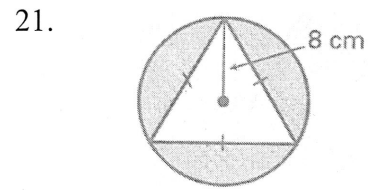
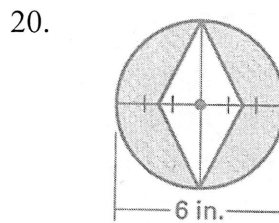
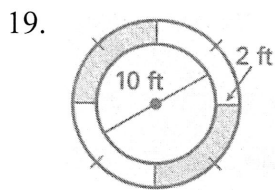
Find the area of the shaded region.



Shaded Area =  $86.08 \text{ cm}^2$

Shaded Area =  $199.10 \text{ in}^2$

Shaded Area =  $236.40 \text{ m}^2$



Shaded Area =  $37.70 \text{ ft}^2$

Shaded Area =  $19.27 \text{ in}^2$

Shaded Area =  $117.92 \text{ cm}^2$