

Practice Worksheet for Lessons 11-5 and 11-6

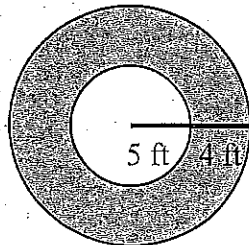
Name:
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1) Find the radius of a circle with a circumference 35π in.

2) Find the radius of a circle with area 121π cm².

3) Find the circumference of a circle with area 49π m².

4) Find the area of the shaded region.



5) The diameter of a bicycle wheel is 26 in. About how far will the wheels travel if the wheels make 2000 revolutions?

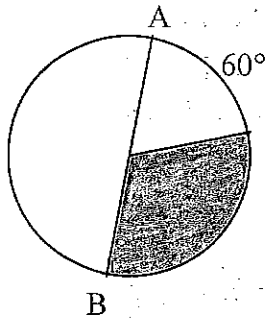
6) In circle O with radius 8 ft, $m\angle AOB = 45^\circ$. Find the length of arc AB and the area of sector AOB.

7) The area of sector AOB is $20\pi \text{ m}^2$ and $m\angle AOB = 100^\circ$. Find the radius of circle O.

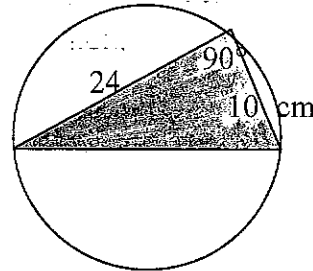
8) The length of arc CD is $4.2\pi \text{ cm}$ and $m\angle COD = 70^\circ$, find the radius of the circle O.

Find the area of each shaded region.

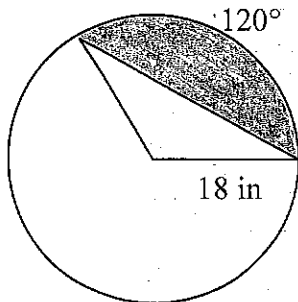
9) given segment AB = 14 in



10)



11)



12)

