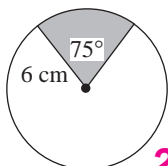


Practice 79

FOR USE WITH SECTION 11.5

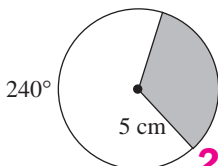
Find the area of each shaded sector. Give your answers to the nearest tenth.

1.



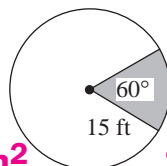
23.6 in.²

2.



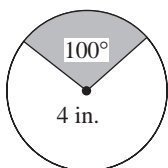
26.2 cm²

3.



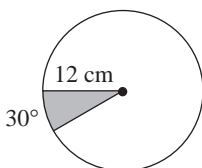
117.8 ft²

4.



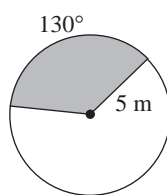
14.0 in.²

5.



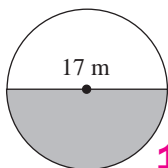
37.7 cm²

6.



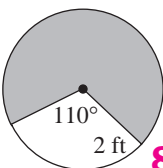
28.4 m²

7.



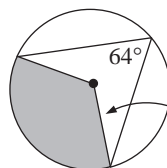
113.5 m²

8.



8.7 ft²

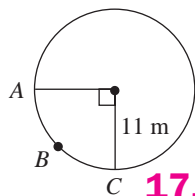
9.



90.5 in.²

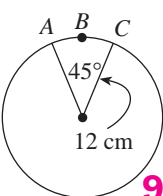
Find the length of \widehat{ABC} in each circle. Give your answers to the nearest tenth.

10.



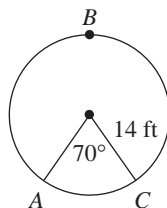
17.3 m

11.



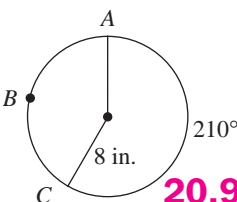
9.4 cm

12.



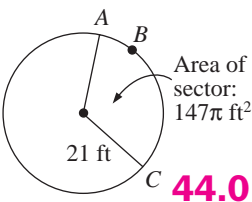
70.9 ft

13.



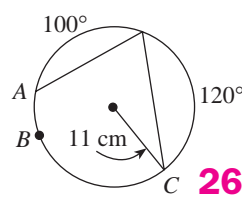
20.9 in.

14.



44.0 ft

15.



26.9 cm

16. Find the measure of an arc with length 10 ft in a circle with radius 5 ft. **about 114.6°**

17. What is the circumference of a circle in which a 45° central angle intercepts an arc of length 12 in.? **96 in.**

18. In $\odot O$, the area of the sector with central angle AOB is 10 cm^2 and OA is 6 cm.

a. What is the measure of \widehat{AB} ?
about 31.8°

b. What is the length of \widehat{AB} ?
about 3.3 cm