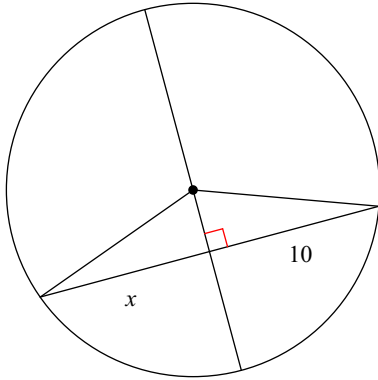


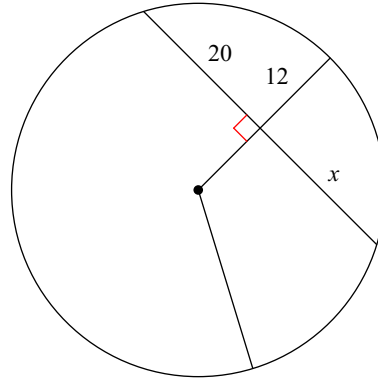
10.3 worksheet

Find the length of the segment indicated. Round your answer to the nearest tenth if necessary.

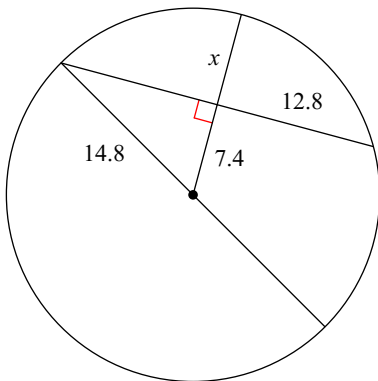
1)



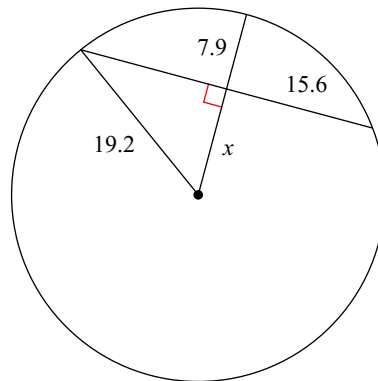
2)



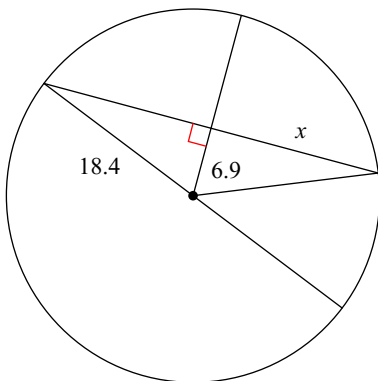
3)



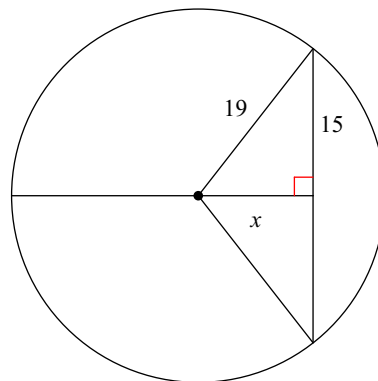
4)



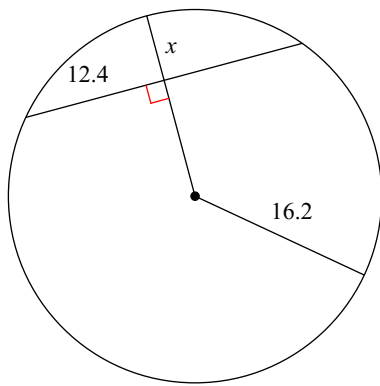
5)



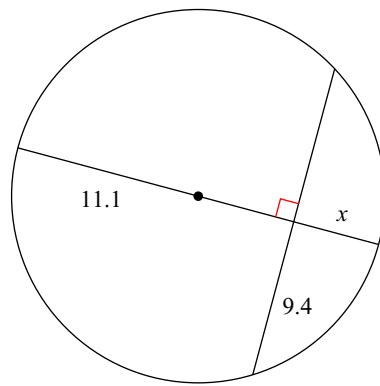
6)



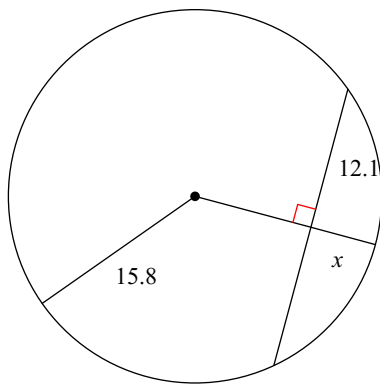
7)



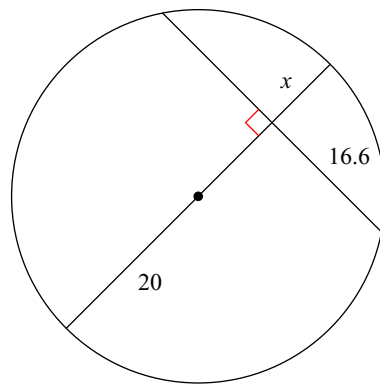
8)



9)

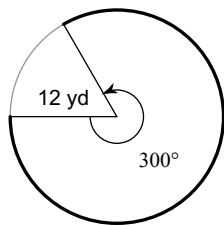


10)

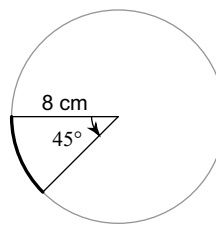


**Find the length of each arc.**

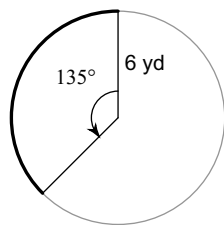
11)



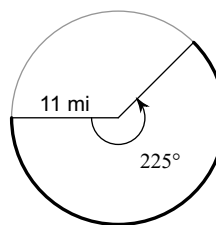
12)



13)



14)

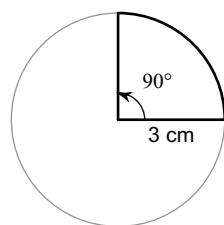


15)  $r = 11$  yd,  $\theta = 315^\circ$

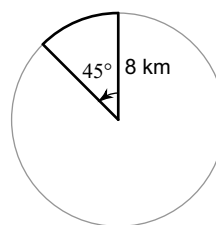
16)  $r = 9$  m,  $\theta = 225^\circ$

**Find the area of each sector.**

17)



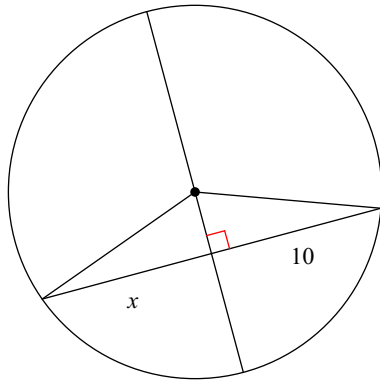
18)



10.3 worksheet

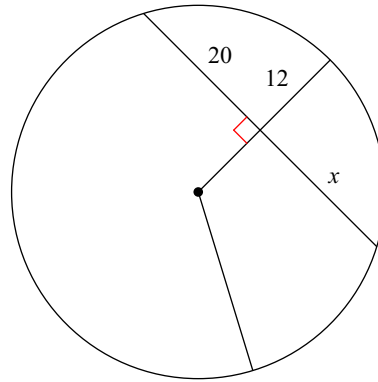
Find the length of the segment indicated. Round your answer to the nearest tenth if necessary.

1)



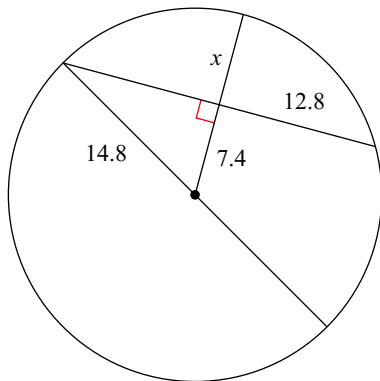
10

2)



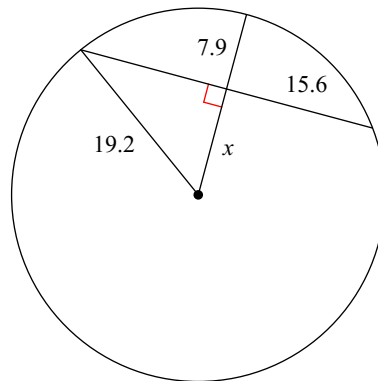
20

3)



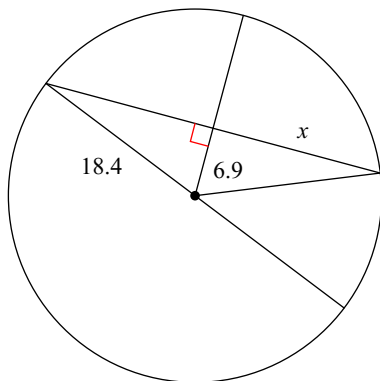
7.4

4)



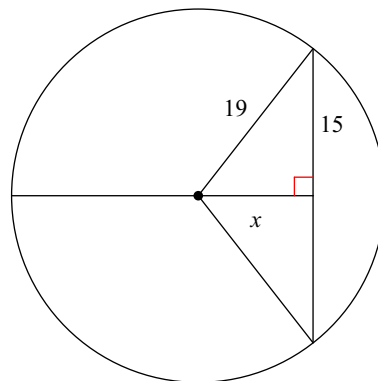
11.3

5)



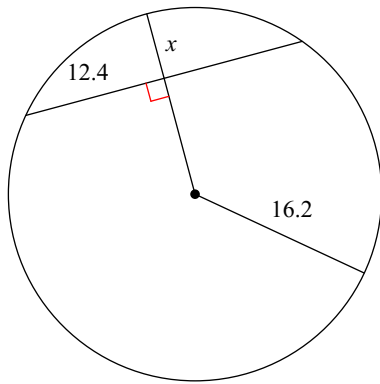
17.1

6)



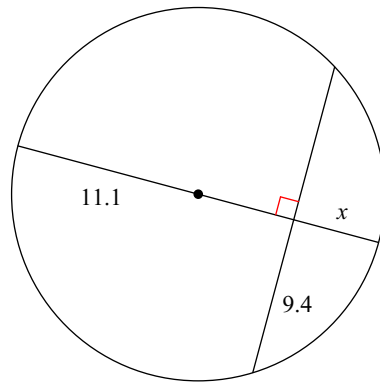
11.7

7)



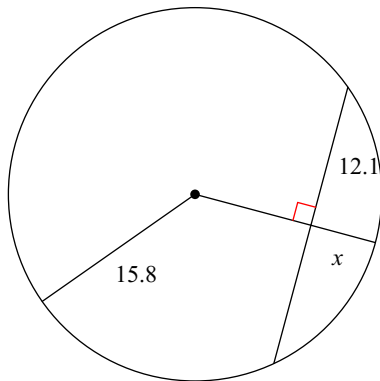
5.8

8)



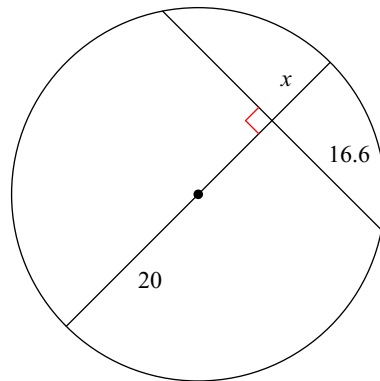
5.2

9)



5.6

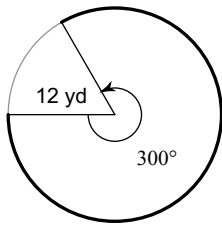
10)



8.8

**Find the length of each arc.**

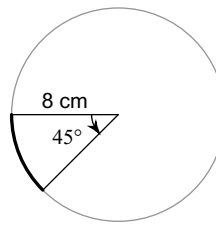
11)



$20\pi$  yd

$\frac{9\pi}{2}$  yd

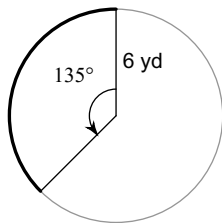
12)



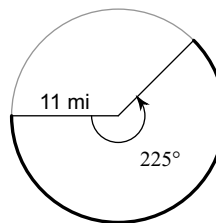
$2\pi$  cm

$\frac{55\pi}{4}$  mi

13)



14)

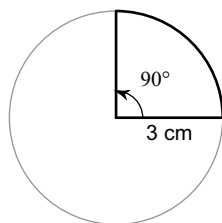


15)  $r = 11$  yd,  $\theta = 315^\circ$   $\frac{77\pi}{4}$  yd

16)  $r = 9$  m,  $\theta = 225^\circ$   $\frac{45\pi}{4}$  m

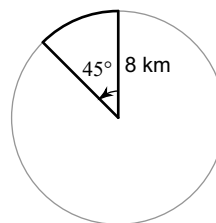
**Find the area of each sector.**

17)



$\frac{9\pi}{4}$  cm<sup>2</sup>

18)



$8\pi$  km<sup>2</sup>