

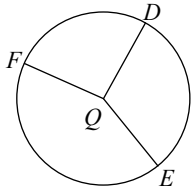
Practice Q3OBQ3

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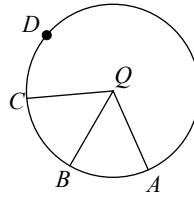
Name the central angle of the given arc.

Name the arc made by the given angle.

1) \widehat{EDF}

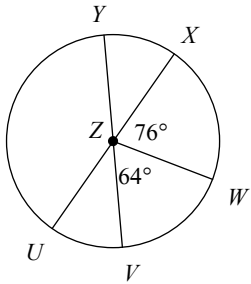


2) $\angle AQC$

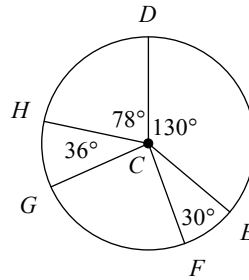


Find the measure of the arc or central angle indicated. Assume that lines which appear to be diameters are actual diameters.

3) $m\angle YZW$

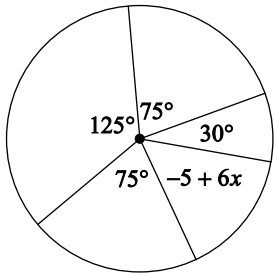


4) $m\angle FCH$

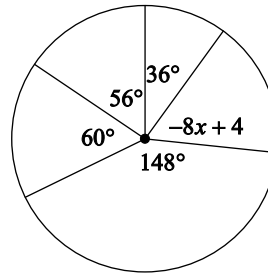


Solve for x . Assume that lines which appear to be diameters are actual diameters.

5)

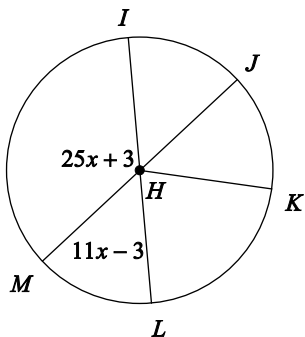


6)

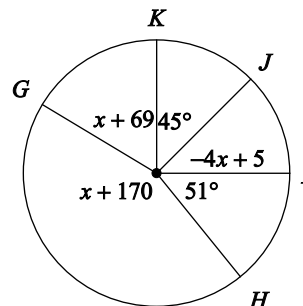


Find the measure of the arc or central angle indicated. Assume that lines which appear to be diameters are actual diameters.

7) $m\angle LHM$

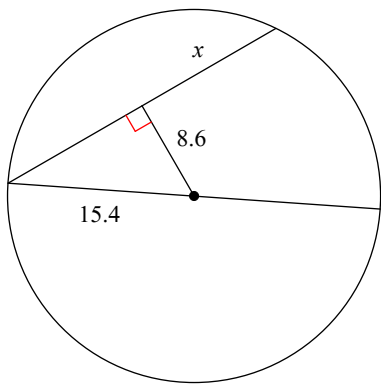


8) $m\widehat{GK}$

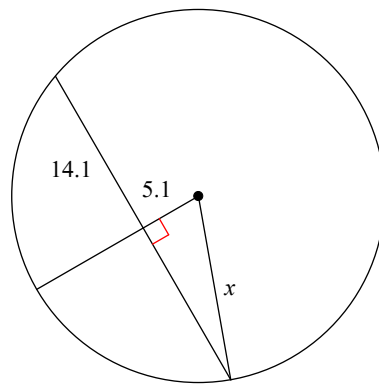


Find the length of the segment indicated. Round your answer to the nearest tenth if necessary.

9)

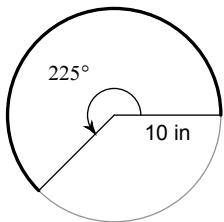


10)

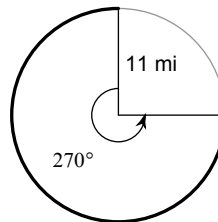


Find the length of each arc.

11)



12)



13) $r = 12$ mi, $\theta = 300^\circ$

14) $r = 17$ mi, $\theta = 60^\circ$

15) $r = 8$ mi, $\theta = 90^\circ$

16) $r = 10$ mi, $\theta = 45^\circ$

Find the length of each arc. Round your answers to the nearest tenth.

17) $r = 5$ yd, $\theta = 225^\circ$

18) $r = 13$ m, $\theta = 270^\circ$

Find the circumference of each circle.

19) radius = 12 km

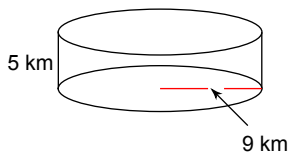
20) radius = 4 ft

21) radius = 8 m

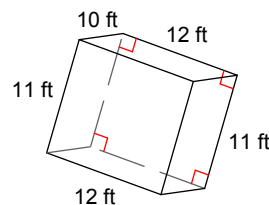
22) radius = 11 ft

Find the surface area of each figure. Round your answers to the nearest tenth, if necessary.

23)



24)



Answers to Practice Q3OBQ3 (ID: 11)

1) $\angle EQF$

5) 10

9) 12.8

13) 20π mi

17) 19.6 yd

21) 16π m

2) \widehat{AC}

6) -7

10) 15

14) $\frac{17\pi}{3}$ mi

18) 61.3 m

22) 22π ft

3) 116°

7) 52°

11) $\frac{25\pi}{2}$ in

15) 4π mi

19) 24π km

23) 791.7 km²

4) 122°

8) 59°

12) $\frac{33\pi}{2}$ mi

16) $\frac{5\pi}{2}$ mi

20) 8π ft

24) 724 ft²