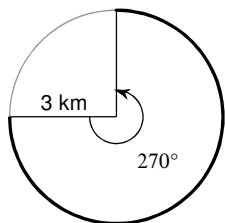


Unit 3 Quiz 1 - STUDY GUIDE

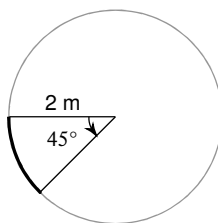
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Find the LENGTH of each ARC. LEAVE PI IN YOUR ANSWER

1)

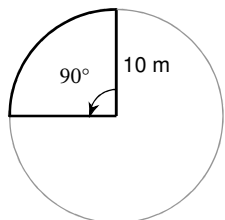


2)

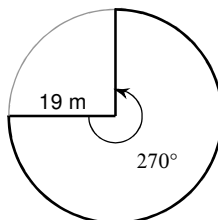


Find the AREA of each SECTOR. LEAVE PI IN YOUR ANSWER

3)

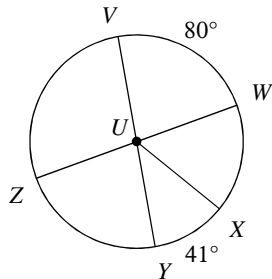


4)

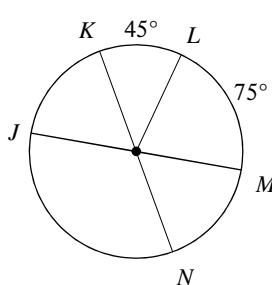


Find the measure of the arc or central angle indicated. Assume that lines which appear to be diameters are actual diameters.

5) $m\angle XUZ$

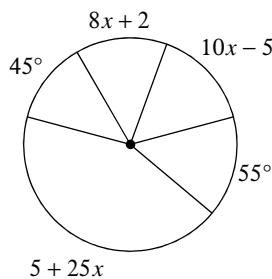


6) $m\widehat{NKM}$

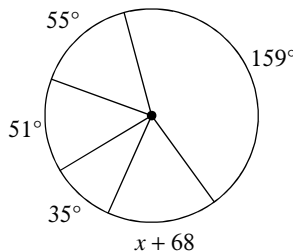


Solve for x. Assume that lines which appear to be diameters are actual diameters.

7)

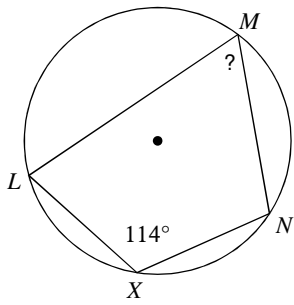


8)

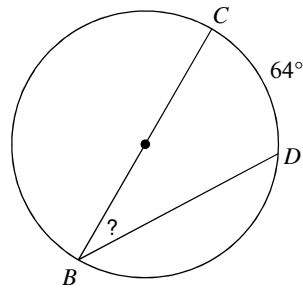


Find the measure of the arc or angle indicated.

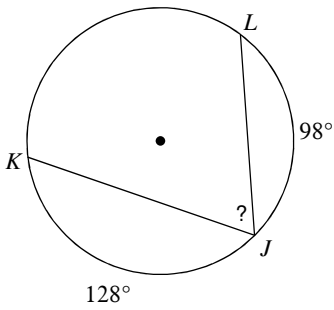
9)



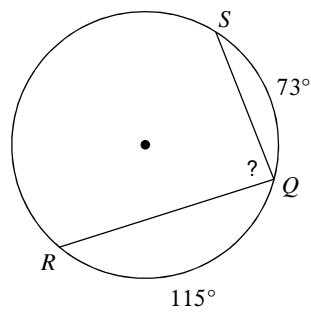
10)



11)

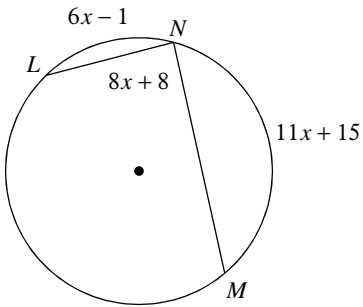


12)

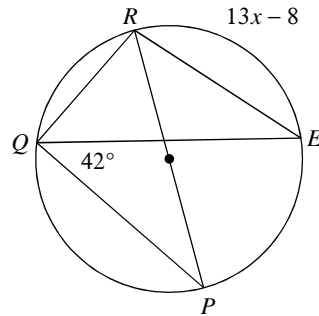


Solve for x .

13)

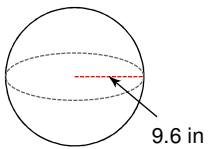


14)

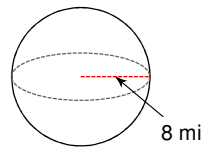


Find the surface area of each figure. Round your answers to the nearest hundredth, if necessary.

15)

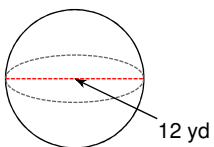


16)

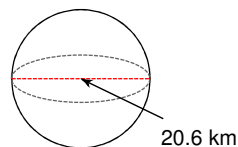


Find the volume of each figure. Round your answers to the nearest hundredth, if necessary.

17)



18)



Answers to Unit 3 Quiz 1 - STUDY GUIDE (ID: 1)

1) $\frac{9\pi}{2}$ km

2) $\frac{\pi}{2}$ m

3) 25π m²

4) $\frac{1083\pi}{4}$ m²

5) 121°

6) 300°

7) 6

8) -8

9) 66°

10) 32°

11) 67°

12) 86°

13) 10

14) 8

15) 1158.12 in²

16) 804.25 mi²

17) 904.78 yd³

18) 4577.2 km³