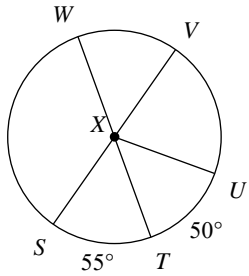


Unit 3 PRACTICE TEST

© 2013 Kuta Software LLC. All rights reserved.

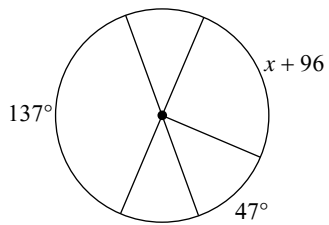
Find the measure of the arc or central angle indicated. Assume that lines which appear to be diameters are actual diameters.

1) $m\angle WXU$ 

- A) 130° B) 92°
 C) 93° D) 102°

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

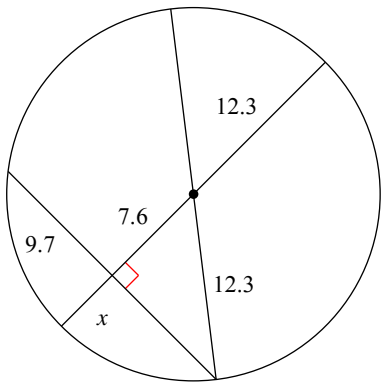
2)



- A) -6 B) -2
 C) 5 D) 4

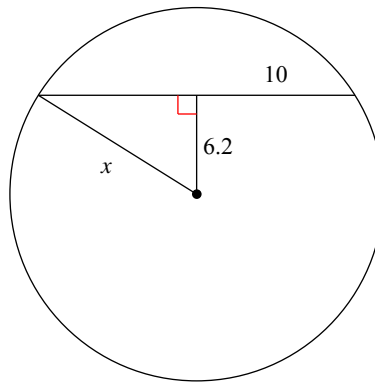
Find the length of the segment indicated. Round your answer to the nearest tenth if necessary.

3)



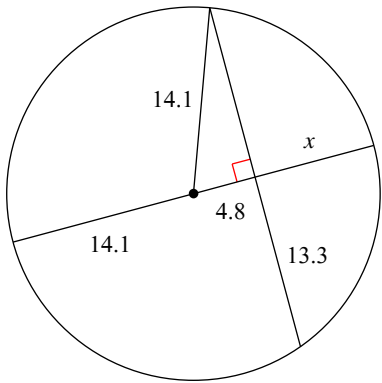
- A) 4.7 B) 6.6
C) 4.8 D) 3.1

4)



- A) 7.6 B) 11.8
C) 12.8 D) 9.1

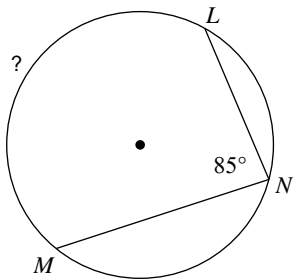
5)



- A) 11.6 B) 6.7
C) 6.3 D) 9.3

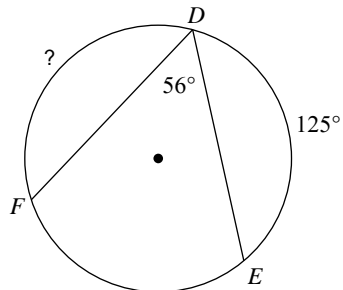
Find the measure of the arc or angle indicated.

6)



- A) 176° B) 212°
C) 170° D) 142°

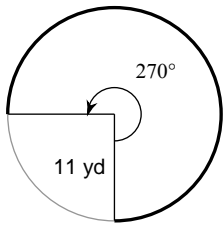
7)



- A) 63° B) 123°
C) 107° D) 124°

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

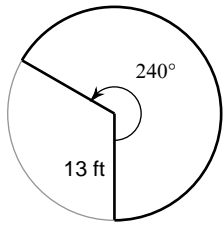
8)



- A) 5940π yd B) $\frac{23\pi}{6}$ yd
 C) $\frac{33\pi}{2}$ yd D) $\frac{363\pi}{4}$ yd

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

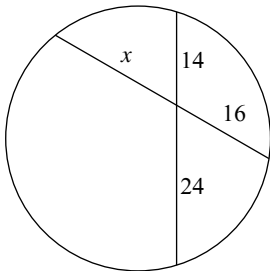
9)



- A) $\frac{98\pi}{3}$ ft² B) $\frac{52\pi}{3}$ ft²
 C) $\frac{3211\pi}{24}$ ft² D) $\frac{338\pi}{3}$ ft²

Solve for x .

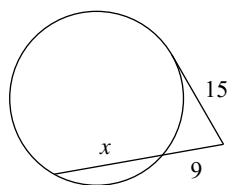
10)



- A) 27 B) 24
 C) 21 D) 22

Solve for x . Assume that lines which appear tangent are tangent.

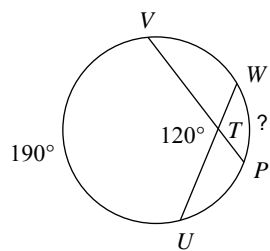
11)



- A) 11 B) 19
C) 14 D) 16

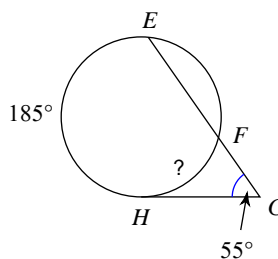
Find the measure of the arc or angle indicated. Assume that lines which appear tangent are tangent.

12)



- A) 50° B) 70°
C) 66° D) 45°

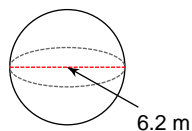
13)



- A) 75° B) 85°
C) 90° D) 40°

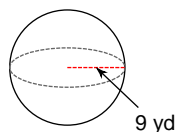
Find the surface area of each figure. Round your answers to the nearest tenth, if necessary. Leave your answers in terms of π for answers that contain π .

14)



Find the volume of each figure. Round your answers to the nearest tenth, if necessary. Leave your answers in terms of π for answers that contain π .

15)



Answers to Unit 3 PRACTICE TEST (ID: 1)

- 1) A
- 5) D
- 9) D
- 13) A

- 2) A
- 6) C
- 10) C
- 14) $38.4\pi \text{ m}^2$

- 3) A
- 7) B
- 11) D
- 15) $972\pi \text{ yd}^3$

- 4) B
- 8) C
- 12) A