

Name: _____

Hour: _____

Mixed Review 10.1 – 10.5 Answer Sheet

Directions: Write all of the final answers (letter only) on this answer sheet, then staple this to the **FRONT** of your review sheet before you turn it in.

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

11. _____

12. _____

13. _____

14. _____

15. _____

16. _____

17. _____

18. _____

19. _____

20. _____

21. _____

22. _____

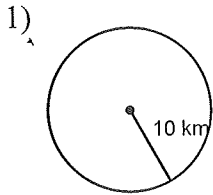
23. _____

24. _____

25. _____

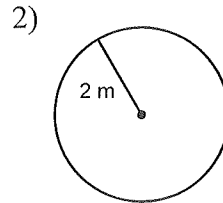
Mixed Review 10.1-10.5

Find the circumference of each circle.



- A) 12π km B) 18π km
 C) 10π km D) 20π km

Find the area of each.



- A) 36π m² B) 25π m²
 C) 4π m² D) 16π m²

Find the circumference of each circle.

3) area = 9π ft²

- A) 6π ft B) 8π ft
 C) 12π ft D) 4π ft

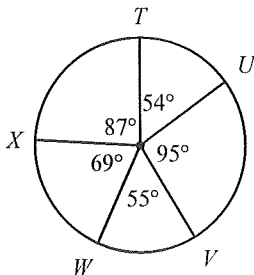
Find the area of each.

4) circumference = 6π ft

- A) 25π ft² B) 16π ft²
 C) 9π ft² D) 36π ft²

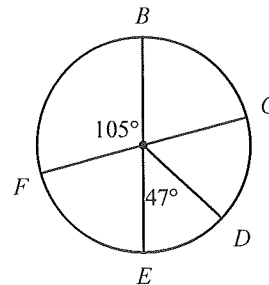
Find the measure of the arc or central angle indicated. Assume that lines which appear to be diameters are actual diameters.

5) $m\widehat{TVX}$



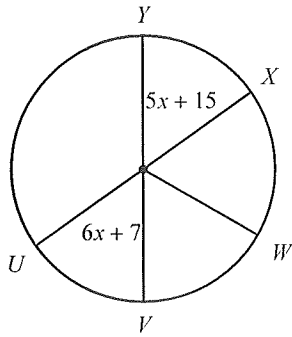
- A) 44° B) 130°
 C) 273° D) 94°

6) $m\widehat{DEB}$



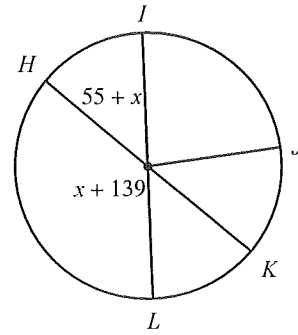
- A) 227° B) 39°
 C) 37° D) 140°

7) $m\widehat{YX}$



- A) 55° B) 69°
 C) 37° D) 60°

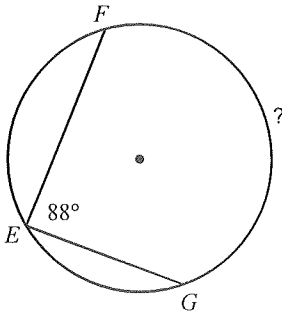
8) $m\widehat{HI}$



- A) 57° B) 48°
 C) 85° D) 90°

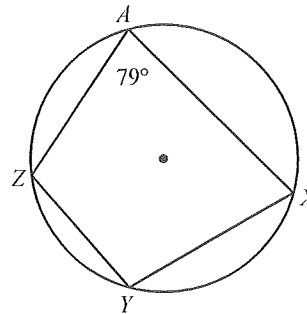
Find the measure of the arc or angle indicated.

9)



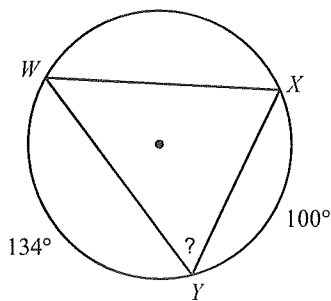
- A) 106° B) 121°
 C) 100° D) 176°

10) Find $m\widehat{XZ}$



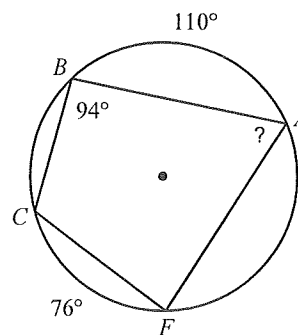
- A) 212° B) 165°
 C) 229° D) 158°

11)



- A) 56° B) 71°
 C) 51° D) 63°

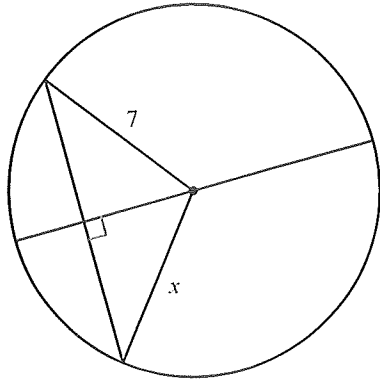
12)



- A) 69° B) 80°
 C) 44° D) 79°

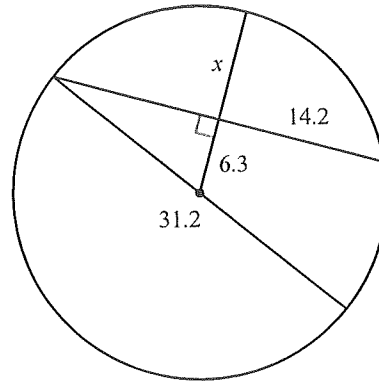
Find the length of the segment indicated. Round your answer to the nearest tenth if necessary.

13)



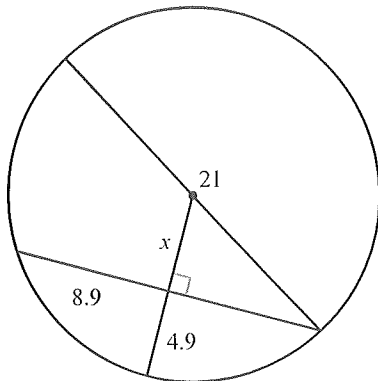
- A) 3.6 B) 6.5
C) 8.1 D) 7

14)



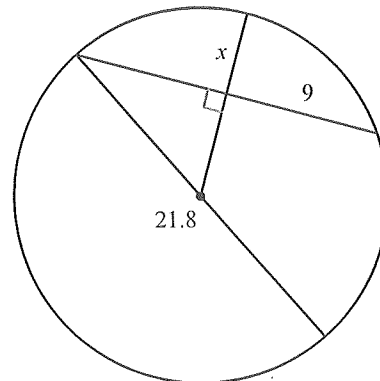
- A) 13 B) 11.6
C) 12.9 D) 9.3

15)



- A) 5.6 B) 6.6
C) 3.3 D) 5.8

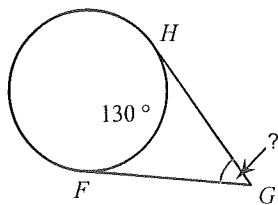
16)



- A) 2.6 B) 6.3
C) 4.1 D) 4.8

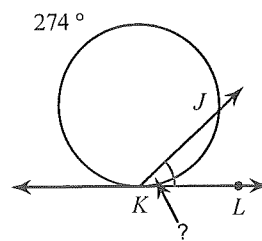
Find the measure of the arc or angle indicated. Assume that lines which appear tangent are tangent.

17)



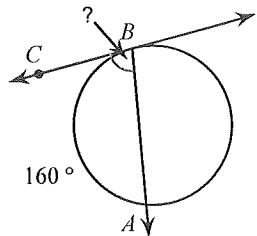
- A) 50° B) 58°
C) 73° D) 45°

18)



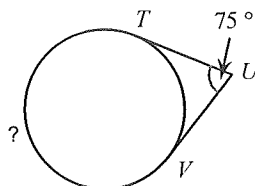
- A) 59° B) 43°
C) 47° D) 49°

19)



- A) 55° B) 65°
 C) 82° D) 80°

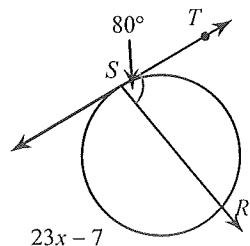
20)



- A) 265° B) 210°
 C) 204° D) 255°

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

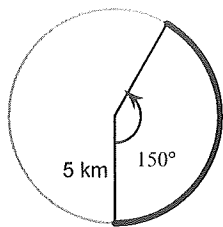
21)



- A) 9 B) 2
 C) 8 D) 12

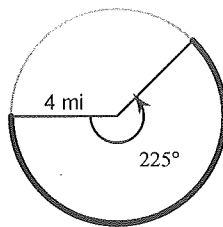
Find the length of each arc.

22)



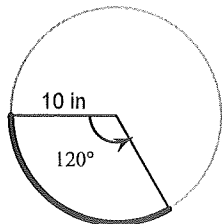
- A) $\frac{2197\pi}{24}$ km B) $\frac{25\pi}{6}$ km
 C) $\frac{20\pi}{3}$ km D) $\frac{125\pi}{12}$ km

23)



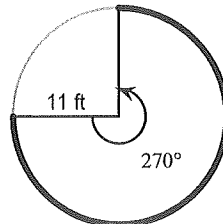
- A) $\frac{55\pi}{3}$ mi B) 5π mi
 C) 8π mi D) 10π mi

24)



- A) 33π in B) $\frac{100\pi}{3}$ in
 C) $\frac{65\pi}{3}$ in D) $\frac{20\pi}{3}$ in

25)



- A) $\frac{475\pi}{6}$ ft B) $\frac{33\pi}{2}$ ft
 C) $\frac{361\pi}{3}$ ft D) $\frac{363\pi}{4}$ ft