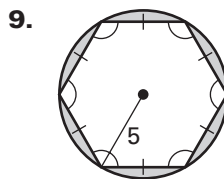
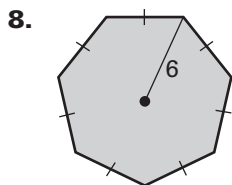
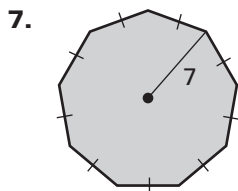
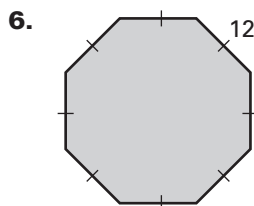
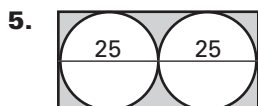
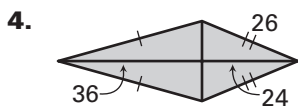
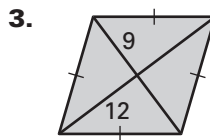
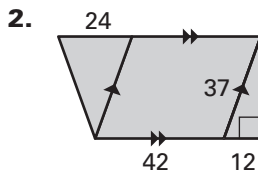
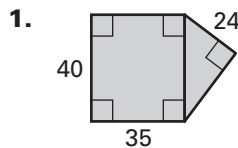


CHAPTER 11 **Chapter Test B**
For use after Chapter 11

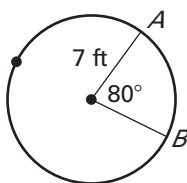
Find the area of the shaded region. Round answers to the nearest tenth, if necessary.



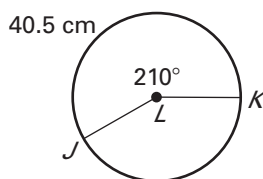
10. Regular hexagon $PQRSTU$ has a perimeter of 120 meters. What is the area of $PQRSTU$? Round your answer to the nearest meter.

Find the indicated measure. Round answers to the nearest tenth.

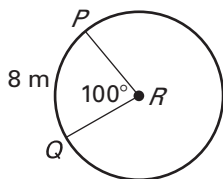
11. Length of \widehat{AB}



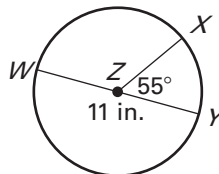
12. Circumference of $\odot L$



13. Radius of $\odot R$



14. Length of \widehat{XY}



Answers

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____
13. _____
14. _____

CHAPTER 11 **Chapter Test B** *continued*
For use after Chapter 11

The equation of a circle is given. Find the circumference of the circle. Write the circumference in terms of π .

15. $x^2 + y^2 = 40$

16. $(x - 1)^2 + (y + 6)^2 = 15$

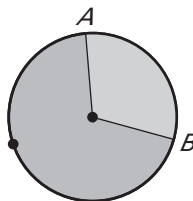
The area of $\odot D$ is 113.1 square meters. The area of sector ADB is 34.6 square meters. Find the indicated measure.

17. Radius of $\odot D$

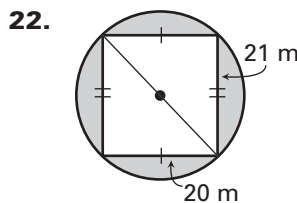
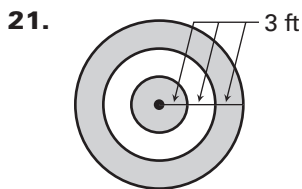
18. Circumference of $\odot D$

19. $m\widehat{AB}$

20. Length of \widehat{ACB}



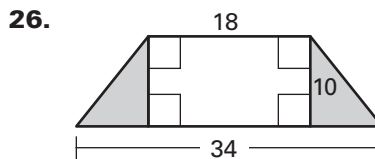
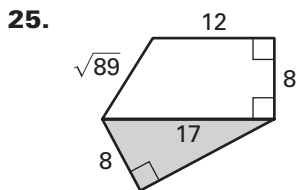
Find the area of the shaded region. Round answers to the nearest tenth, if necessary.



23. What is the area of a regular 15-gon that has a radius of 10 feet? Round your answer to the nearest tenth.

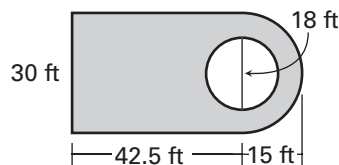
24. What is the area of a regular 20-gon with a side length of 12 centimeters? Round your answer to the nearest tenth.

Find the probability that a randomly chosen point in the figure lies in the shaded region.



27. A bike tire has a diameter of about 26 inches. You ride a straight distance of about 75 feet. About how many revolutions does the tire make along this distance?

28. A park walkway surrounds a fountain as shown. Find the area of the walkway. Round your answer to the nearest foot.



Answers

15. _____

16. _____

17. _____

18. _____

19. _____

20. _____

21. _____

22. _____

23. _____

24. _____

25. _____

26. _____

27. _____

28. _____