Name _____ Date _____

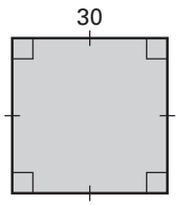
CHAPTER 11

# Chapter Test A

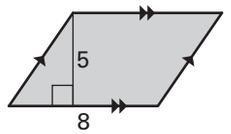
*For use after Chapter 11*

**Find the area of the figure. Round answers to the nearest tenth, if necessary.**

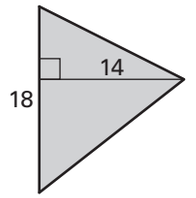
**1.**



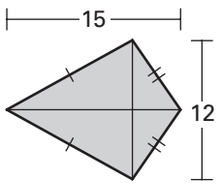

**2.**



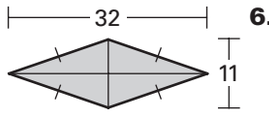

**3.**



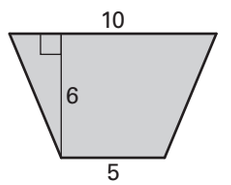

**4.**




**5.**

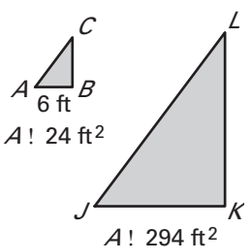



**6.**

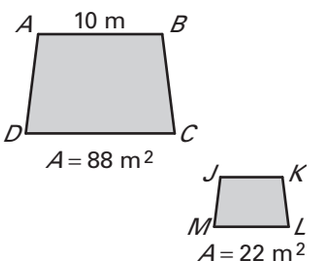



**Use the given area to find *JK*.**

**7.** $\triangle ABC \sim \triangle JKL$

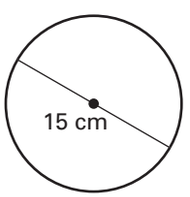



**8.** $ABCD \sim JKLM$

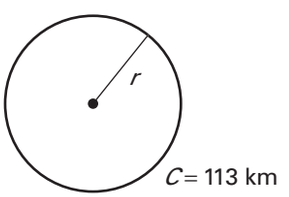



**Use the diagram to find the indicated measure.**

**9.** Find the circumference.

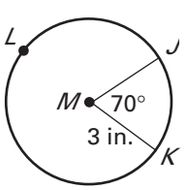



**10.** Find the radius.

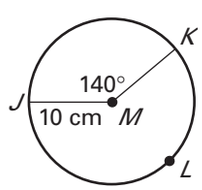



**Find the length of $\overset{\frown}{JK}$. Round answers to the nearest tenth.**

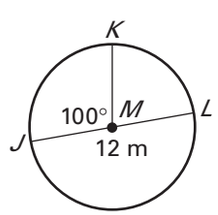
**11.**




**12.**




**13.**




***Answers***

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

Name _____ Date _____

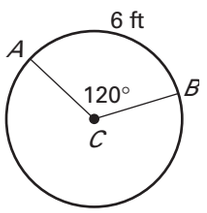
CHAPTER 11

# Chapter Test A *continued*

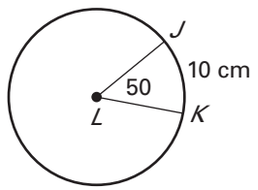
*For use after Chapter 11*

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

**14.** Radius of $\odot C$




**15.** Circumference of $\odot L$



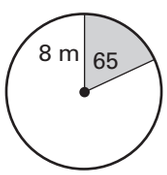

**The equation of a circle is given. Find the circumference of the circle. Write the circumference in terms of $\pi$.**

**16.** $x^2 + y^2 = 4$

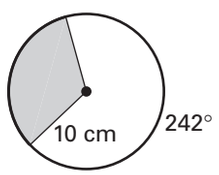
**17.** $(x - 1)^2 + (y - 2)^2 = 1$

**Find the area of the shaded region. Round answers to the nearest tenth.**

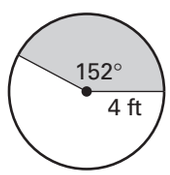
**18.**




**19.**

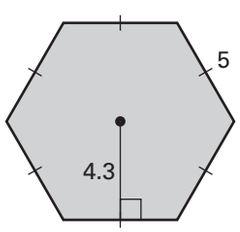



**20.**

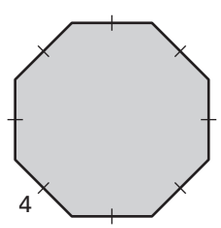



**Find the area of the regular polygon. Round answers to the nearest tenth, if necessary.**

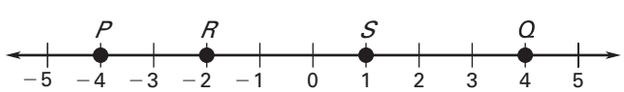
**21.**




**22.**




**Find the probability that a point *K*, selected randomly on $\overline{PQ}$, is on the given segment. Express your answer as a fraction, decimal, and percent.**




**23.** $\overline{RS}$

**24.** $\overline{PS}$

**25.** $\overline{RQ}$

***Answers***

**14.** _____

**15.** _____

**16.** _____

**17.** _____

**18.** _____

**19.** _____

**20.** _____

**21.** _____

**22.** _____

**23.** _____

**24.** _____

**25.** _____