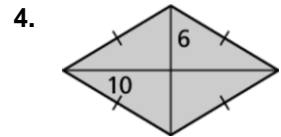
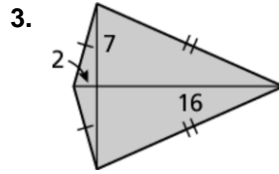
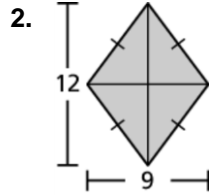
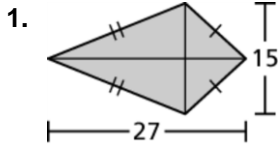


11.3

Practice WS

In Exercises 1–4, find the area of the kite or rhombus.



In Exercises 5–8, find the measure of a central angle of a regular polygon with the given number of sides. Round answers to the nearest tenth of a degree, if necessary.

5. 9 sides

6. 16 sides

7. 20 sides

8. 28 sides

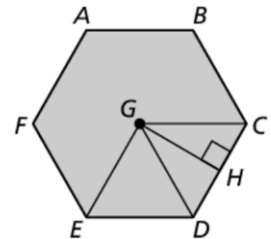
In Exercises 9–12, find the given angle measure for regular hexagon $ABCDEF$.

9. $m\angle CGD$

10. $m\angle CGH$

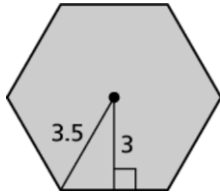
11. $m\angle HCG$

12. $m\angle EGC$

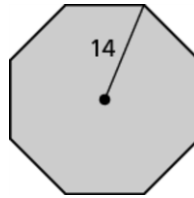


In Exercises 13–17, find the area of the regular polygon. Draw your own image if one is not provided.

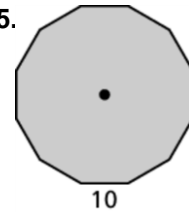
13.



14.



15.



16. a pentagon with an apothem of 7 centimeters

17. a decagon with a radius of 20 meters

18. Use the figure of the gazebo floor below to answer questions a and b.

a. An arm rail is built around the perimeter of the gazebo. What is the length of the arm rail?

b. A container of wood sealer covers 200 square feet. How many containers of sealer do you need to cover the entire floor of the gazebo? Explain your reasoning.

