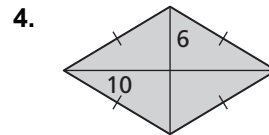
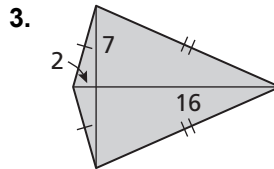
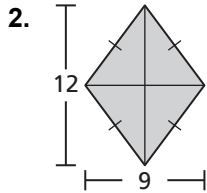
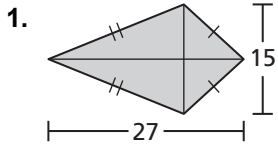


11.3 Practice A

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

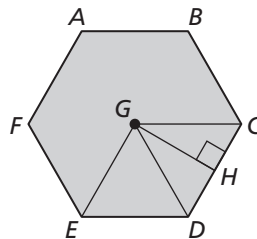


In Exercises 5–8, find the measure of a central angle of a regular polygon with the given number of sides. Round answers to the nearest tenth of a degree, if necessary.

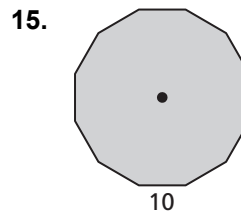
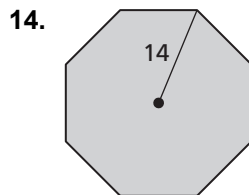
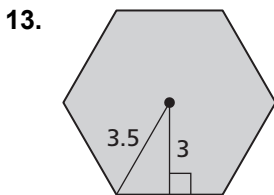
5. 9 sides 6. 16 sides 7. 20 sides 8. 28 sides

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.



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.
 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.

