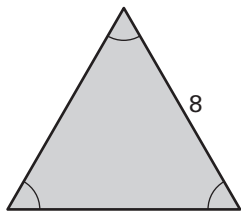


Practice B

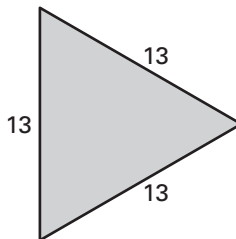
For use with pages 669–675

Find the area of the triangle.

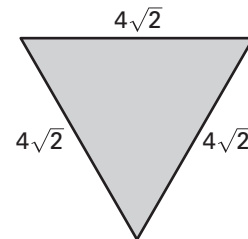
1.



2.



3.



Find the measure of a central angle of a regular polygon with the given number of sides.

4. 8 sides

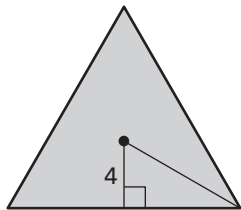
5. 10 sides

6. 18 sides

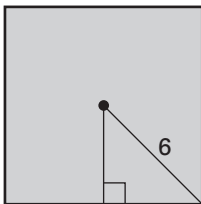
7. 24 sides

Find the perimeter and area of the regular polygon.

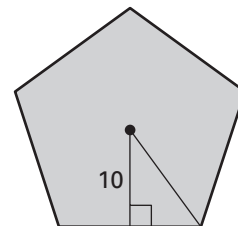
8.



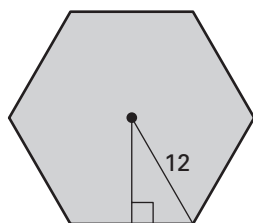
9.



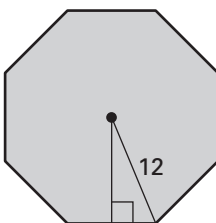
10.



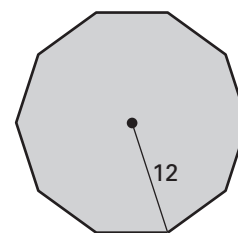
11.



12.



13.



Decide whether the following statement is *true* or *false*.

14. As the number of sides of a regular polygon increases, the measure of the central angle also increases.
15. The radius of a regular polygon is always greater than the apothem.
16. The radius of a regular polygon is always greater than the side length.
17. The area of a regular hexagon of radius 4 is six times greater than the area of a regular triangle of radius 4.

In Exercises 18–20, use the diagram at the right.

18. What is the area of one square?
19. What is the area of one regular octagon?
20. The cost of ceramic tiling is \$.025 per square inch. What would be the cost of the design shown?

