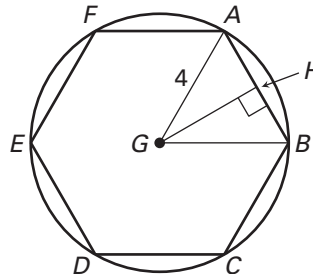NAME _____ DATE _____

Practice A
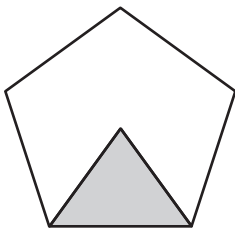
For use with pages 669–675

In Exercises 1–5, use the diagram at the right.

1. Identify the center of polygon *ABCDEF*.

2. Identify the length of a radius of the polygon.

3. Identify a central angle of the polygon.

4. Identify a segment whose length is the apothem.

5. How many triangles are formed when the radii are drawn from the center to the vertices of the polygon?
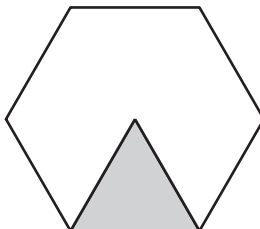

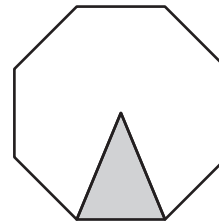**The area of the shaded triangle is given. Find the area of the regular polygon.**
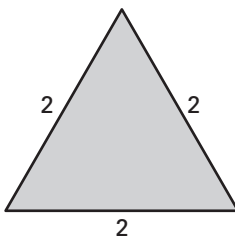
6. Area $= 8.5$ cm^2

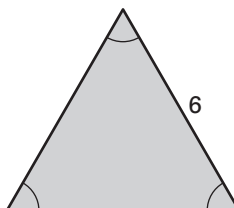7. Area $= 12\sqrt{3}$ in.^{2}

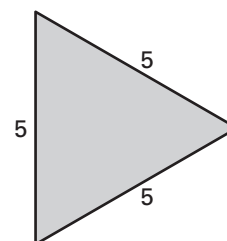

8. Area $= 10.8$ cm^2

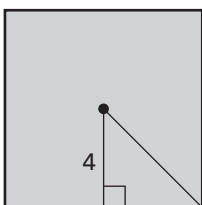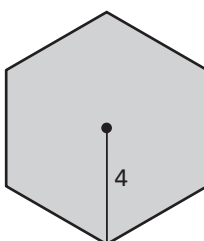**Find the area of the triangle.**

9.

10.

11.

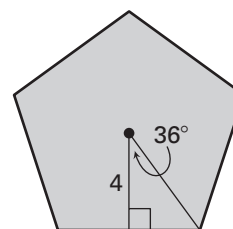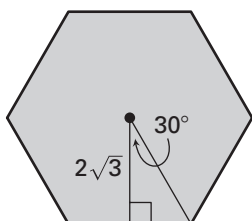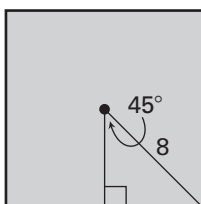**Find the area of the regular polygon.**

12.

13.

14.

Find the perimeter and area of the regular polygon.

15.

16.

17.

Lesson 11.2