CHAPTER 1 | **Cumulative Review** *continued*
For use after Chapter 1

**Plot the points in a coordinate plane and draw ∠TUV. Classify the angle.
Then give the coordinates of a point that lies in the interior of the angle.**
(Lesson 1.4)

16. $T(-1, -2)$, $U(1, 4)$, $V(-2, 4)$ **17.** $T(0, 9)$, $U(2, 0)$, $V(6, -1)$

**∠1 and ∠2 are complementary angles. Given the measure of ∠1, find
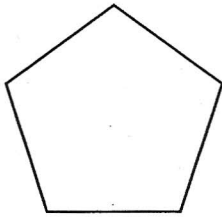m∠2.** *(Lesson 1.5)*

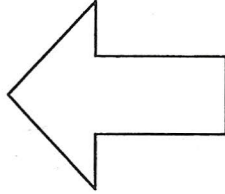**18.** $m\angle 1 = 35°$ **19.** $m\angle 1 = 16°$ **20.** $m\angle 1 = 80°$ **21.** $m\angle 1 = 54°$

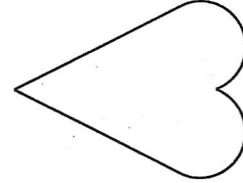**Tell whether the figure is a polygon and whether it is *convex* or *concave*.**
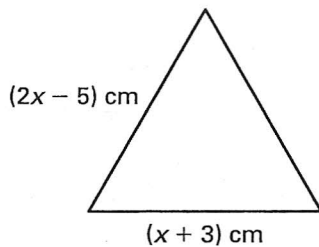*(Lesson 1.6)*

22.   **23.**   **24.**

Each figure is a regular polygon. Find the value of *x*. *(Lesson 1.6)*

25.   **26.** $(x^2 + 6x - 20)$ in.   **27.** $(7x - 29)$ m

$(2x - 5)$ cm

$(x + 3)$ cm

$(x^2 + 2x + 50)$ in.

$(4x + 16)$ m
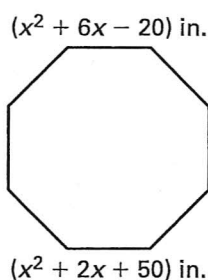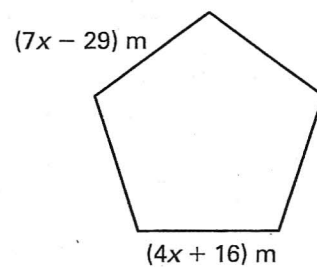
Copy and complete the statement. *(Lesson 1.7)*

28. 15 m² = ___?___ cm²   **29.** 50 ft² = ___?___ yd²   **30.** 738 in.² = ___?___ ft²

In Exercises 31–33, use the following information. *(Lesson 1.7)*

Pizza Pan A circular pizza pan has a diameter of 15 inches.

31. How many inches would be needed to enclose the outside of the pan with a
cardboard strip?

32. How many square inches of pizza can be made in this pan?

33. Would a rectangular pan that measures 12 inches by 15 inches make a larger pizza?
Explain your reasoning.

REVIEW AND PROJECT