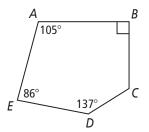
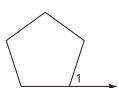


## 6-1 Lesson Quiz

- **1.** What is the sum of the angle measures of a 14-gon?
- 2. What is the measure of each angle of a regular pentagon?
- **3.** What is  $m \angle C$  in pentagon *ABCDE*?



**4.** What is the measure of an exterior angle of a regular pentagon?

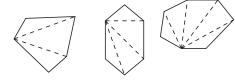


**5. Do you UNDERSTAND?** How many sides does a regular polygon have if each exterior angle is 24°? How do you know?

## **Answers**

## Solve It!

Answers may vary. Sample:



The number of  $\triangle$  formed by the diagonals is 2 less than the number of sides of the polygon.

## **Lesson Quiz**

- **1.** 2160
- **2.** 108
- **3.** 122
- **4.** 72
- **5.** The sum of the exterior angles of any polygon is  $360^{\circ}$ , so the number of sides is  $\frac{360}{24}$  or 15.