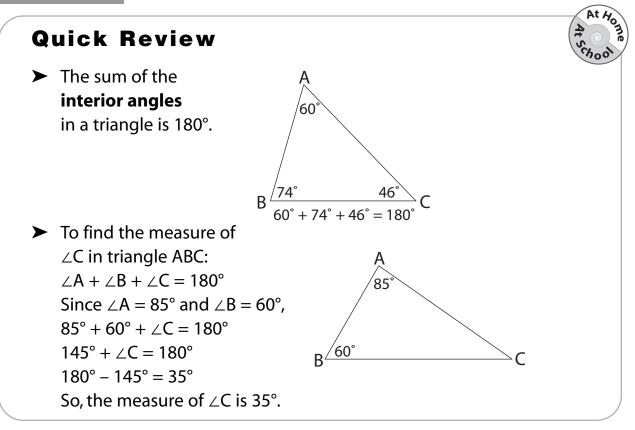
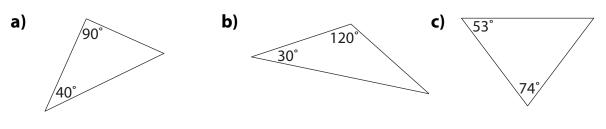


## Investigating Angles in a Triangle



## **Try These**

1. Determine the measure of the third angle without measuring.



- 2. Two angles of a triangle are given. Find the measure of the third angle. Show your work.
  - **a)** 70°, 60° \_\_\_\_
  - **b)** 25°, 90° \_\_\_\_\_
  - **c)** 110°, 40° \_\_\_\_\_

**Practice** 

1. Determine if a triangle can be drawn with the angle measures given. If a triangle can be drawn, draw and label it.

| a) | 35°, 65°, 80° | <b>b)</b> 55°, 50 | )°, 50° <b>c)</b> | 45°, 45°, 90° | <b>d)</b> 95°, 45°, 50° |
|----|---------------|-------------------|-------------------|---------------|-------------------------|
|----|---------------|-------------------|-------------------|---------------|-------------------------|

**2.** Determine the measure of the third angle without measuring.

