



# Area of a Triangle

**TAKS Objective 4**  
**TEKS 5.10B, 5.10C, 5.15A**

Solve.

1. The teachers at Jefferson Elementary handed out triangle-shaped pennants on the first day of school. If each pennant has a base of 5 inches and a height of 12 inches, what is the area of each pennant?

\_\_\_\_\_

3. Suppose that the high school also sells a small triangle-shaped pennant. If the small pennant has a height of 24 inches and an area of 108 square inches, what is the length of the base of the pennant?

\_\_\_\_\_

5. The base of a triangle is 6 centimeters shorter than the height. If the triangle has an area of 56 square centimeters, what are its dimensions?

\_\_\_\_\_

2. At football games, the local high school sells large triangle-shaped pennants. If each pennant has a base of 1 foot and a height of 2.5 feet, what is the area of each pennant in square inches?

\_\_\_\_\_

4. **Writing Math** How are the area formulas for triangles and parallelograms alike? How are they different?

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

6. A right triangle has sides of 9 cm, 12 cm, and 15 cm. What is the area of the triangle?

\_\_\_\_\_