

# Geometry Chapter 10 Study Guide

1. What is the equation for the area of a parallelogram? Draw and label each part.

2. What is the equation for the area of a triangle? Draw and label each part.

3. What is the equation for the area of a triangle when you are given the lengths of two sides and an included angle? Draw and label each part.

4. What is the equation for the area of a trapezoid? Draw and label each part.

5. What are the rules for 30-60-90 triangles? What are the rules for 45-45-90 triangles? Draw each triangle and label the necessary parts.

6. What is the equation for the area of a kite or rhombus? Draw and label each part.

- 7.** What is the equation for the area of a regular polygon? Draw and label each part.
- 8.** How are similarity ratios, perimeter ratios, and area ratios similar or different?
- 9.** What is a minor arc? What is a major arc? What is a semicircle? What is the equation to find the length of an arc?
- 10.** What is the equation for the circumference of a circle? What is the equation for the area of circle?
- 11.** How do you find the area of the sector of a circle? How do you find the area of a segment of a circle?