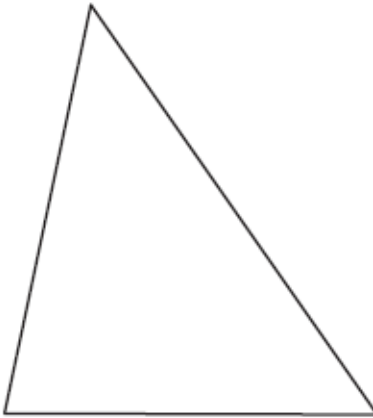# Lesson 8 Practice Questions
Lesson 2

Drawing Similar Polygons

1. Draw a triangle, similar to the one shown, that is smaller by a factor of 2.

Solution:
Step 1: Label the vertices.

Step 2: Measure each angle and side length. Record your findings.

Angle	Original Side Length

Step 3: Divide each of the side lengths by the given scale factor of 2.

Angle	Original Side Length	New Side Length in Reduction

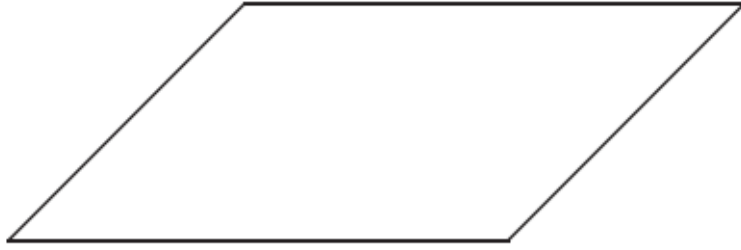*Step 4: Draw one of the sides with its new measure.*

Step 5: Measure the angle at one end of the new side, and make a small mark.

Step 6: Draw the next side, going through the small angle mark. This side length should correspond to the calculated length in step 3.

Step 7: Repeat Steps 5 and 6 until all sides are drawn.

Step 8: Measure the last side and measure the angle between the first and last sides.

2. Draw a parallelogram, similar to the one shown, that is larger by a factor of 1.5.

3. Draw a figure, similar to the one shown, that is an enlargement by a factor of 1.5.