Name: _____   Date: _____
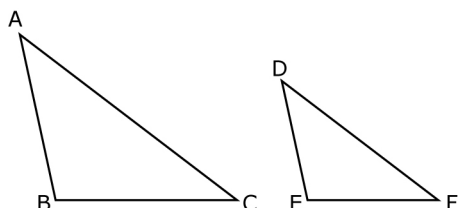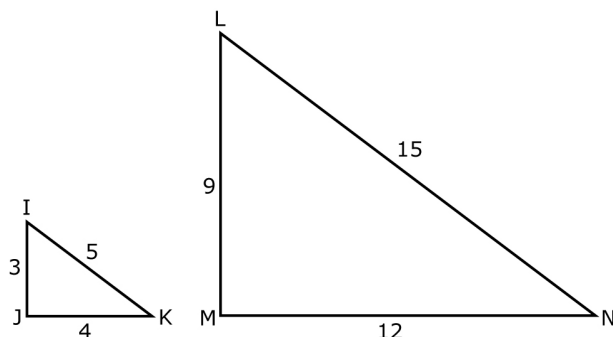
Section 6.1 Extra Practice
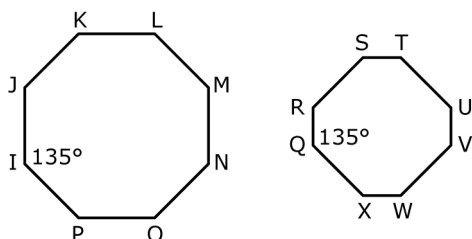
1. List the corresponding angles and corresponding sides for △ABC and △DEF.
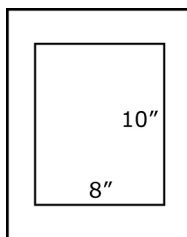

2. Does the pair of shapes have proportional corresponding sides? Explain how you know.

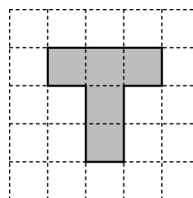**3.** Is the smaller polygon a reduction of the larger one? Explain using similarity.

4. A frame is made for a photo that is 8" by 10". The frame is the same shape as the photo, but with sides 1.5 times as long as the photo. What are the dimensions of the frame?
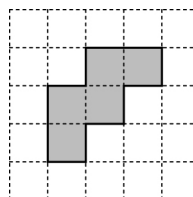

5. Kelly is laying a patio walkway using rectangular stones that measure 6" by 8". Determine the dimensions of two other similar rectangles that could be used in the walkway.
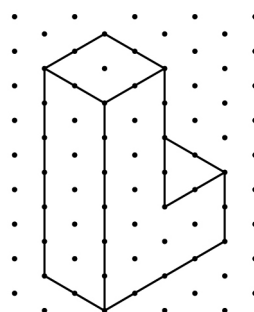
6. Use a scale factor of 0.5 to reduce the figure.

7. Enlarge the figure by a scale factor of 2.

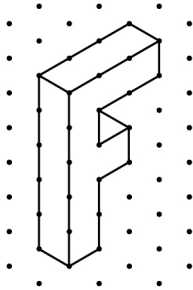

8. Reduce the size of the figure using a scale factor of 0.5.

9. Use isometric dot paper to double the dimensions of the figure.

10. Paul is building a child's Adirondack chair, similar to the adult-size chairs. If the width of the adult chair is 15 inches and Paul wants the child's chair to be 10 inches wide, what scale factor should he use?