

1. Similar Problems

First & Last Name: _____ Class: _____

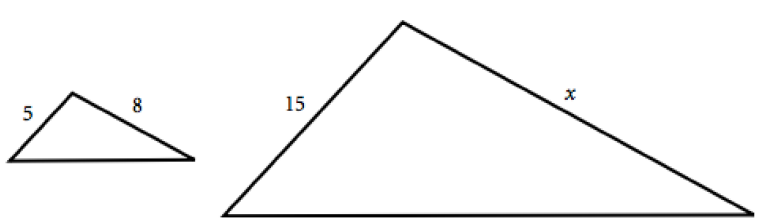
In each of the four pairs of polygons in this activity, assume that the second polygon is similar to the first. Also assume for each pair that the two similar figures have the same orientation—that is, corresponding sides are facing the same way.

For each pair of figures, perform these steps.

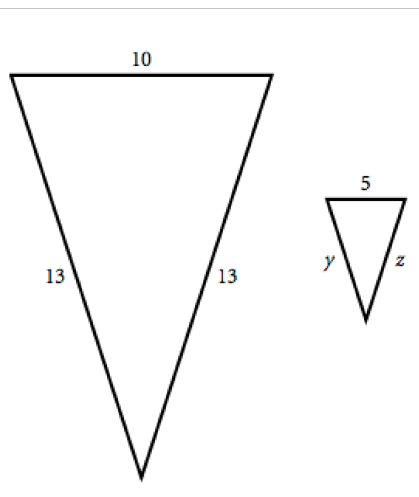
- Set up equations to find the lengths of any sides labeled by variables.
- Find the length that solves each equation.

Note: Measuring the diagrams will probably not give correct answers because the diagrams may not be drawn exactly to scale.

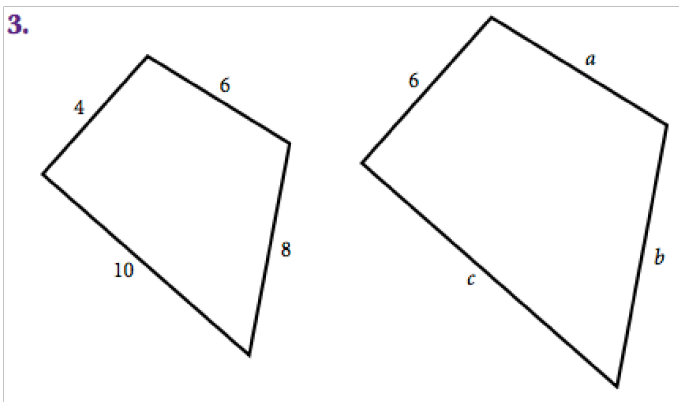
1.



2.



3.



4.

