### Lesson 6 Practice Problems

1. Each diagram has a pair of figures, one larger than the other. For each pair, show that the two figures are similar by identifying a sequence of translations, rotations, reflections, and dilations that takes the smaller figure to the larger one.
* 
* 
1. Here are two similar polygons.
* Measure the side lengths and angles of each polygon. What do you notice?
* 
1. Each figure shows a pair of similar triangles, one contained in the other. For each pair, describe a point and a scale factor to use for a dilation moving the larger triangle to the smaller one. Use a measurement tool to find the scale factor.
* 
* 



© CC BY Open Up Resources. Adaptations CC BY IM.