

Name \_\_\_\_\_

Date \_\_\_\_\_

## Understanding Similar Figures - Guided Lesson Explanation

### Explanation#1

In this case, the scale factor of the dilation can be found by using the horizontal distances on the rectangle. The figure under goes a scale factor dilation of  $\frac{1}{2}$  followed by a  $90^\circ$  clockwise rotation. The figure is then translate 2 units right and 3 units up.

### Explanation#2

In this case, the scale factor of the dilation can be found by using the horizontal distances on the triangle. Translate 2 right and dilation of 2.

### Explanation#3

There are a number of reasons that these figures are not congruent:

- a. The figures are not the same size.
- b. Since the angles are not congruent, the figures are not congruent.

