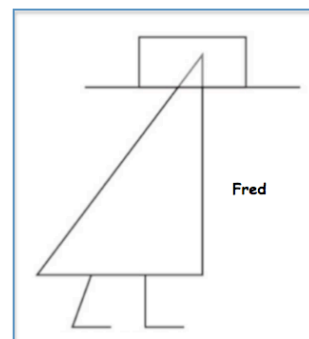
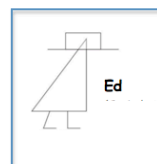
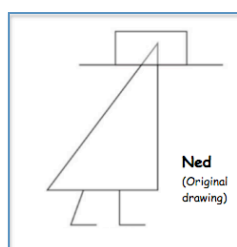


Part A.

Use the figures on the Inv. 1.2 handout. For each copy of Super Sleuth, answer the following questions:

	Ed (Reduced Image)	Fred (Enlarged Image)
What happens to the general shape ?	Same	Same
Describe how the side lengths in each copy compare to the corresponding side lengths in the original figure.	.5 as long	1.5 times longer
Describe how the angle measures in each copy compare to the corresponding angle measures in the original figure.	Same angles	Same angles
Describe how the perimeter of the triangle in each copy compares to the perimeter of the triangle in the original figure.	.5 as big	1.5 times bigger
Describe how the area of the triangle in each copy compares to the area of the triangle in the original figure.	$\frac{1}{4}$ as big	2.25 times bigger



Part B.

What percent was entered into the copy machine to create Ed? What percent was entered into the copy machine to create Fred?

Ed: 50%

Fred: 150%

Part C

1. If two figures are similar, what is the same about the figures and what is different?

Same * angles
* shapes

↓ different: sizes (area, side lengths, perimeter)

2. If you wanted to achieve a 150% increase with the rubber-band method, what would you do?

Corresponding: Sides and angles that have the

same relative position in similar shapes.

(The parts that match up.)