Investigating Properties
 of Similar Shapes

**Geometry**

**Unit 1 Line Master 6a**

1. Determine the scale factor that was used to dilate
 the original shape.
 Compare the properties of each pair of similar shapes.

What properties do dilations seem to have? Make a list.

a)

dilation point

Scale Factor = \_\_\_\_\_\_\_

 Investigating Properties
 of Similar Shapes (cont’d)

**Geometry**

**Unit 1 Line Master 6b**

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 b)

dilation point

 Investigating Properties
 of Similar Shapes (cont’d)

**Geometry**

**Unit 1 Line Master 6c**

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 c)

dilation point

 Investigating Properties
 of Similar Shapes (cont’d)

**Geometry**

**Unit 1 Line Master 6d**

2. Use the scale factor and the dilation point to create a dilation
 of the triangle. Check to see if the properties you found in
 Question 1 hold true for your dilation.

 

dilation point