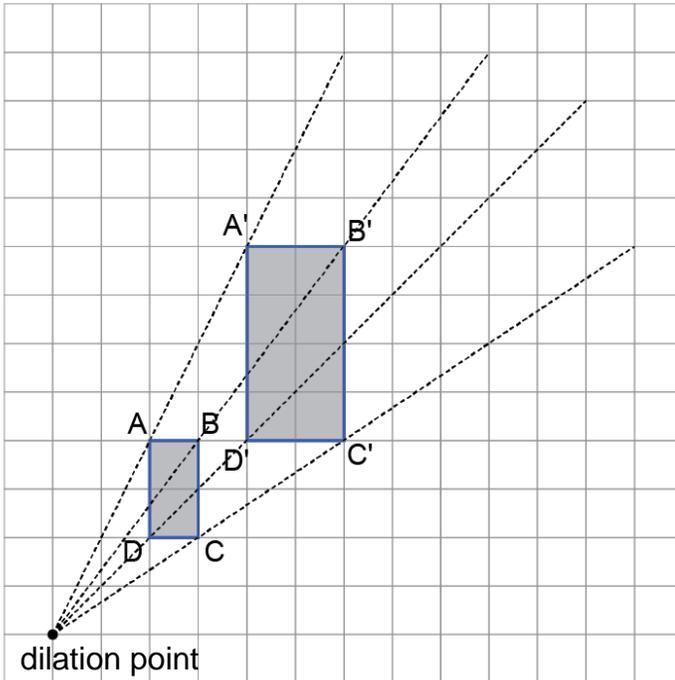


## Investigating Properties of Similar Shapes

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.

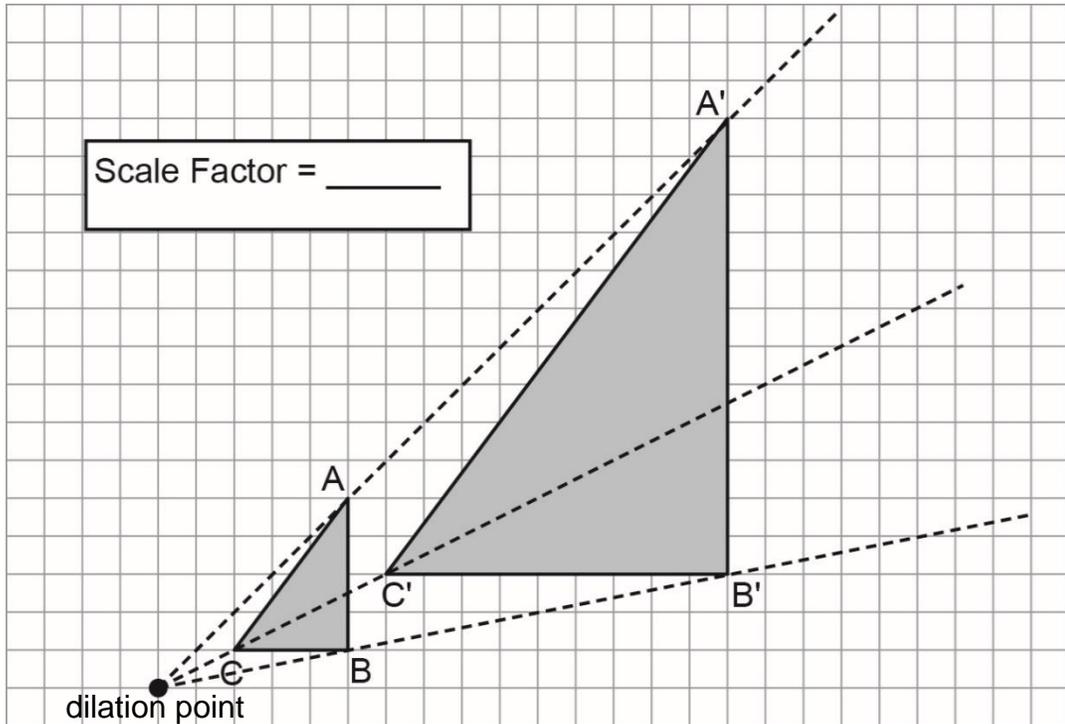
a)



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

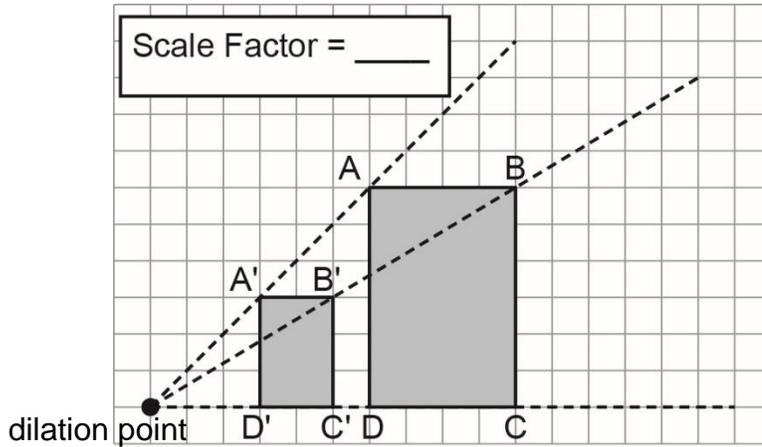
# Investigating Properties of Similar Shapes (cont'd)

b)



# Investigating Properties of Similar Shapes (cont'd)

c)



## Investigating Properties of Similar Shapes (cont'd)

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.

