Name: _____ Date: _____ Period: _____

Introduction to Dilations

This handout goes with the GeoGebra Lesson https://www.geogebra.org/m/ddfc55je

Not all questions in GeoGebra will be answered below; the handout asks you to record your work from questions 5-10.
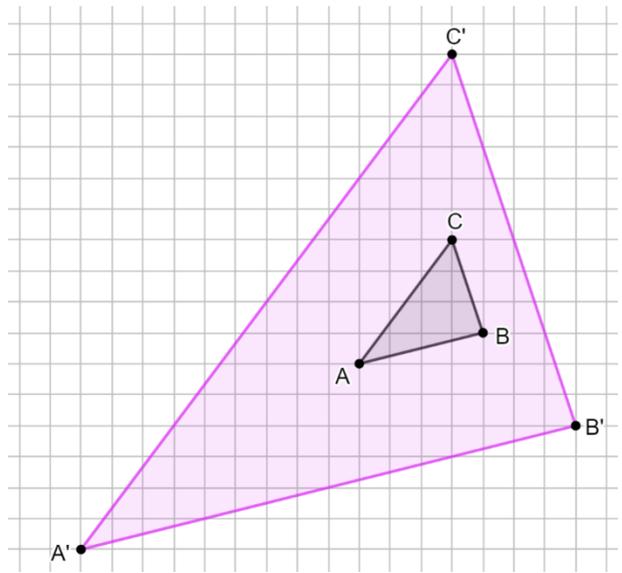
For 5-7, mark and label your center of dilation you found in GeoGebra, then determine your scale factor from the *preimage* to the *image*. *If your center of dilation is located on a **vertex** of the shape, simply bold the point so it stands out from the others.
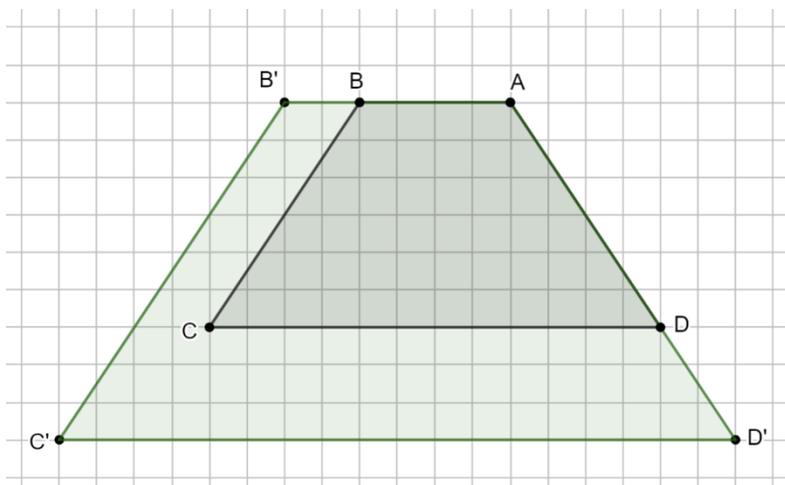
5.
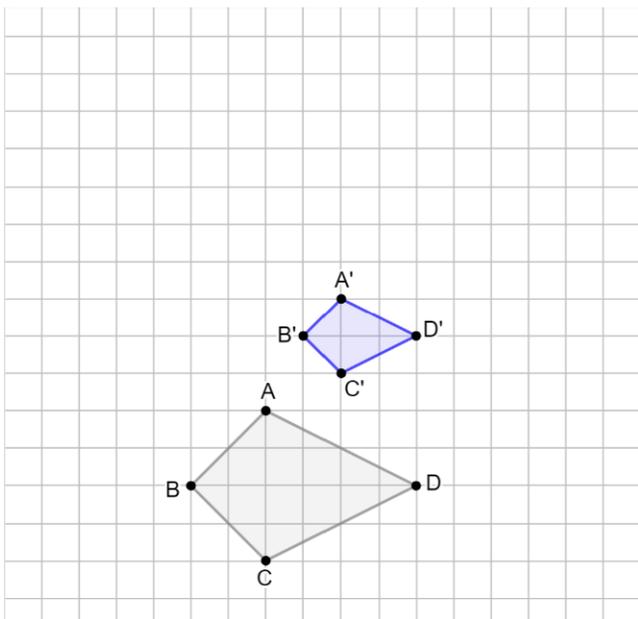
Scale Factor ABCD to A'B'C'D':_____
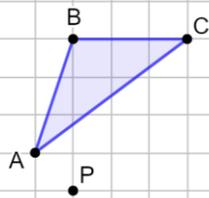
6.

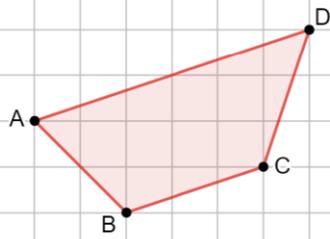*Scale Factor ABC to A'B'C':_____*

7.

Scale Factor ABCD to A'B'C'D':_____

For 8-10, record your *image* below after the dilation in GeoGebra. Label all points and use a straight edge.

8.

9.

10.