<Student Name>

**Classwork: Create a dilation example**

* Use Geogebra.org and Word
* Choose your own shape and dilation
* Save your Word and pdf files in a Google Drive folder named “Huson-<your last name>”, shared with husonbeca@gmail.com

Dr. Huson

11.2 Geometry

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Dilation Example in Geogebra

Shown in Figure 1 is a mapping of the triangle ABC after a dilation by centered on the origin.



Note: Use the polygon and dilation tools in Geogebra.

Snap a screenshot using the Grab utility and copy/paste the image into a Word document.

Figure

The coordinates before and after the transformation are shown in Table 1.

Note: Word’s Insert>Table command is a good way to format your data

|  |  |
| --- | --- |
| **Preimage** | **Image** |
| *A*(2,1) | *A’*(3, 1.5) |
| *B*(4, 1) | *B’*(6, 1.5) |
| *C*(2, 3) | *C’*(3, 4.5) |

Table