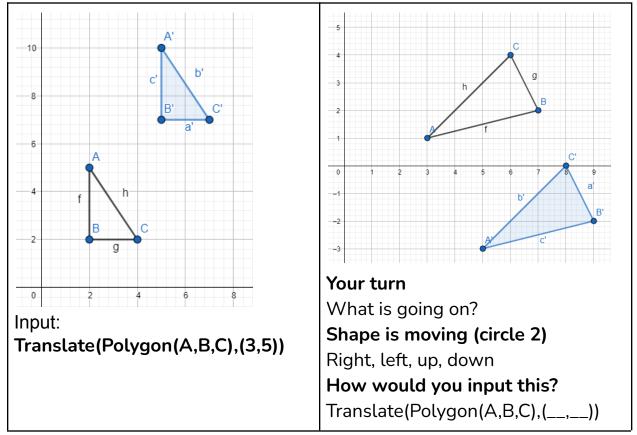
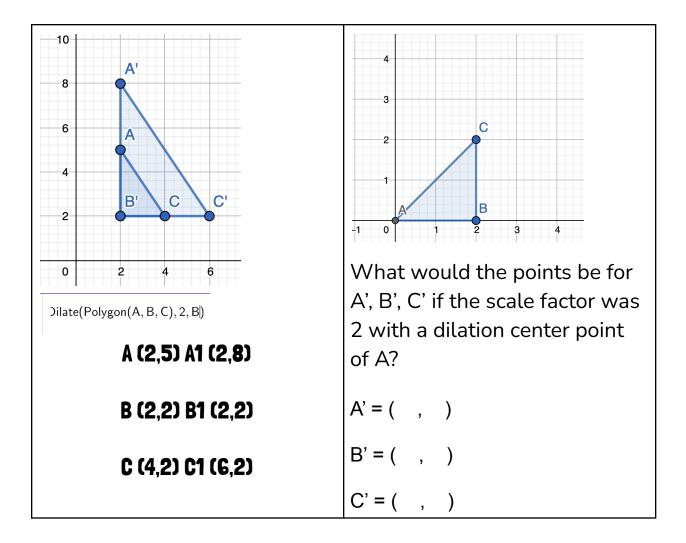
Cassidy Fleury Technology Project Worksheet Topic: Triangles under transformations using Geogebra

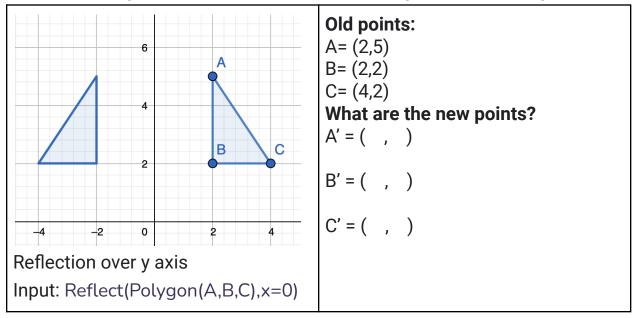
Translation: A figure is moved from one location to another location without changing its size, shape or orientation



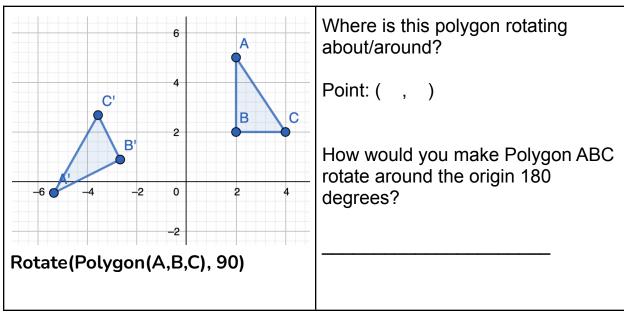
Dilation: Changing the size of an object without changing its shape. The size of the object may be increased or decreased based on the scale factor



Reflection: A geometric transformation resulting in a mirror image.



Rotation: A circular movement. Rotation has a central point that stays fixed and everything else moves around that point.



Extra Practice:

Given: Triangle A (-4,2), B(-2,4), C (-4,6)
 New points once reflected over the x axis:
 A' (,)
 B' (,)
 C' (,)

2) Given: Triangle A(0,-4), B(2,-4), C(0,0) What would be the new points given this formula to input in Geogebra: Translate(Polygon(A,B,C),(-3,-4)

```
A'( , )
B'( , )
C'( , )
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