Geometry DAY 1.8
Video Notes – Composition of Transformation

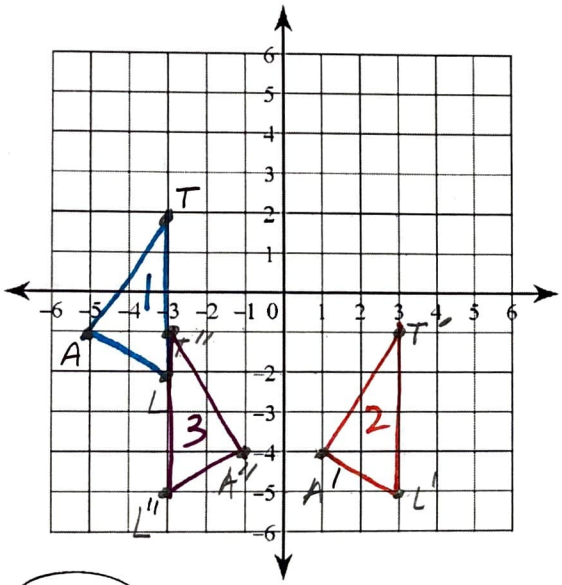
Name: _____
Date: _____

You should already know how to do the following:

- Translations (slides)
- Reflections (flips, like with a mirror)
- Rotations (spins or turns)
- Dilations (stretches or shrinks)

Now you are going to try some multiple transformations: ORDER MATTERS! So do the first transformation written and then the next one.

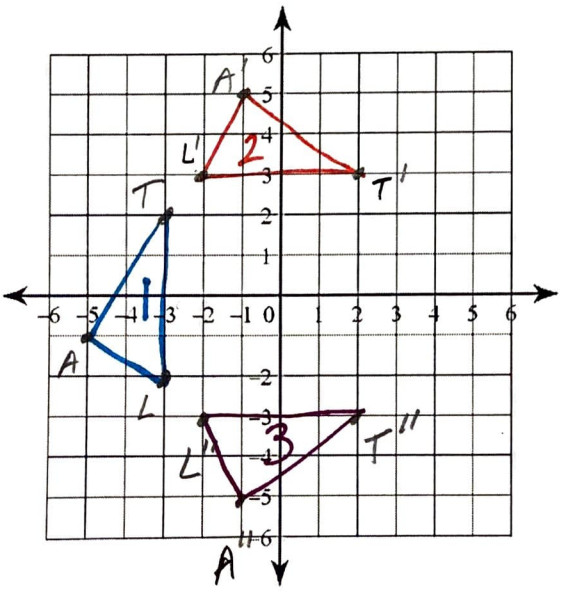
1. Translate Δ ALT if A(-5,-1), L(-3,-2), T(-3,2)by moving it right 6 and down 3, then reflect the image over the y-axis.



A'(1 , -4)
L'(3 , -5)
T'(3 , -1)

A''(-1 , -4)
L''(-3 , -5)
T''(-3 , -1)

2. Rotate Δ ALT if A(-5,-1), L(-3,-2), T(-3,2) 90° clockwise around the origin, then reflect the image over the x-axis. $(x, y) \rightarrow (y, -x)$



A'(-1 , 5)
L'(-2 , 3)
T'(2 , 3)

A''(-1 , -5)
L''(-2 , -3)
T''(2 , -3)