Stained Glass Transformations Extra Credit

Common Core Standard(s):

- MCC8.G.3 - Describe the effect of dilations, translations, rotations and reflections on two-dimensional figures using coordinates.

Materials:

- One copy of stained glass transformation worksheet
- One copy of 4 quadrant coordinate plane
- Colored pencils, markers or crayons
- Rulers/straight edge

Procedure:

- You should apply the rules for the different transformations described on the worksheet and then plot the resulting image on the coordinate plane.
  - ALL WORK MUST BE SHOWN FOR QUESTIONS WITH MULTIPLE TRANSFORMATIONS
- You should use a ruler to connect the points for each triangle/quadrilateral plotted.
- After plotting all of the transformations, go back and color them according to the colors that are given. I don't suggest that you color as you go in case you notice a mistake.
- None of the transformations will overlap, so if two images are overlapping, you have made a mistake.