

Due: 6/21/17 at 4:00PM

Instructions: Your answers to the following questions do not need to be lengthy or written in complete sentences, but should reflect preparation for our discussion about Chapter 8 at the beginning of class.

Questions:

1. What are the mathematical terms for slides, flips, and turns?
2. What is the result of the composition of the translations $(x, y) \rightarrow (x + 4, y - 3)$ and $(x, y) \rightarrow (x - 4, y + 3)$? How would you describe the relationship between these two translations?
3. If a point on the preimage of a figure lies on the line of reflection, what do you know about its reflection image?
4. If you draw a figure on paper and cut it out, how can test it for lines of symmetry?
5. If you draw a figure on paper and cut it out, how can test it for rotational symmetry?
6. If a figure is dilated with the origin as the center of dilation, what will be the image of a point (x, y) on the figure if the scale factor is n ?
7. Which types of isometries preserve the orientation of a figure? Which reverse the orientation?

Muddiest Point:

What questions do you have about the notes you took in Chapter 8, or anything from this week?



MML Homework Questions:

Are there any MML homework problems from Chapter 8 that you would like to discuss?