Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Hour:\_\_\_\_\_\_\_\_\_\_\_

**Vocabulary/Naming/Notation Review**

1. $\overbar{LM}$ is an example of a(n) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
2. Give 3 unique names for the following figure: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. Using the above figure, name all of the distinct rays:
4. Sketch an example of a plane which could be named Plane XYZ or Plane A:
5. Define a bisector and give two examples of different types we’ve discussed in class.
6. Give two examples of an isometry: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
7. Give three examples of rigid transformations which can be found in the real world and explain which transformations they are:
8. Why is a dilation not an example of a rigid transformation?
9. Write a single ordered pair rule to represent the following transformations:
	1. Vertical stretch:
	2. Dilation with a scale factor of 1/2:
	3. Reflection over y = x:
	4. Translation left 6 units and up 3 units:
	5. Rotation of 180° about the origin:
	6. Horizontal compression:
10. What are the four key features required in a definition of a rotation?
11. When dilating or stretching/compressing a figure, are any values not possible for the scale factor? Explain.
12. A friend is looking in a mirror and claims that what they see is the same as rotating 180°. Is this correct? Justify your answer.