Content Area: Math

Strand: Geometric and Spatial Relationships	Missouri GLE: G3A
Reporting Topic: Reposition shapes under formal transformations such as reflection, rotation, and translation	
Grade: 8th	

Score 4.0	**In addition to Score 3.0, in-depth inferences or applications that go beyond what was taught. For example, the student may:** Analyze the differences between an original figure and an image and stating the type of transformation that is possible with a detailed explanation.
	3.5 In addition to 3.0 performance, in-depth inferences and applications with partial success.

Score 3.0	**The student will:**
	
	    1) Reflect shapes on the coordinate plane.
	    2) Translate shapes on the coordinate plane.
	    3) Rotate shapes on the coordinate plane.
	    4) Name the coordinates of image for reflections, translations, and rotations.
	
	The students exhibits no major errors or gaps in the learning goal (complex Ideas and processes).

	2.5 No major errors or gaps in 2.0 content and partial knowledge of 3.0 content.

Score 2.0	**The student will:**
	• Understand basic terminology such as:
	    o Reflection
	    o Translation
	    o Rotation
	    o Tessellation
	    o Transformation
	
	The student exhibits no major errors or gaps in the simpler details and processes

	1.5 Partial understanding of the 2.0 content with major errors or gaps in 3.0 content.
Score 1.0	**With help, a partial understanding of the 2.0 content and some of the 3.0 content.**
	0.5 With help, a partial understanding of the 2.0 content and none of the 3.0 content.
Score 0.0	**Even with help, no understanding or skill demonstrated.**