Content Area: Math

Strand: Geometric and Spatial Relationships	Missouri GLE: G3B
Reporting Topic: Describe the relationship between the scale factor and the area of the image using a dilation (stretching/shrinking)	
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:** Describe the effect of scale factor on the perimeter and area of a figure. Describe the differences that occur in the image in each case. Use examples to support your statements.
	3.5 In addition to 3.0 performance, in-depth inferences and applications with partial success.
Score 3.0	**The student will:** Find the area of an image of the original figure that has been dilated. Given the ordered pairs of the original figure and the image, state the scale factor. Given the scale factor, name the ordered pairs of the dilated image without graphing the ordered pairs **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 Dilation – Stretching (Magnification)/ Shrinking (Contraction)
	        o Scale Factor
	        o Area & Perimeter
	     Find the perimeter of image of a figure that has been scaled.
	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.**