8th Grade Module 3 – Similarity

	4 - Mastery	3 - Proficient	2 - Basic	1 - Below Basic	0 - No Evidence
Topic A (8.G.3)	Meets <u>all</u> of the	Describe dilations, translations,	Demonstrate dilations,	Identify dilations, translations,	Shows no evidence
	criteria in a Level 3	rotations, and reflections on two-	translations, rotations, and	rotations, and reflections on two-	of proficiency
		dimensional figures using	reflections on two-dimensional	dimensional figures using	
	Completes tasks	coordinates.	figures using coordinates.	coordinates.	Little evidence of
	including synthesis				reasoning or
	and evaluation				application to solve
					the problem.
Topic B (8.G.4, 8.G.5)	Meets <u>all</u> of the	Given two similar figures,	Given two similar figures,	Given two similar figures, identify	Shows no evidence
	criteria in a Level 3	describe a sequence of	demonstrate a sequence of	the dilation that exhibits the	of proficiency
		transformations that exhibits the	transformations that exhibits the	similarity between them	
	Completes tasks	similarity between them	similarity between them		Little evidence of
	including synthesis	Fundation whether 2 Generation			reasoning or
	and evaluation	Explain whether 2 figures are	Determine if 2 figures are similar	Identity If 2 figures are similar to	application to solve
		similar to another by describing a	to another by using a sequence of	another by using dilation	the problem.
		sequence of transformations	transformations		
		Explain and solve problems using	Explain and solve problems using		
		angle sum of triangles and angle-	angle sum of triangles <u>or</u> angle-		
		angle criterion for similarity of	angle criterion for similarity of		
		triangles	triangles		

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

8.G.A.4 Understand that a two-dimensional figure is similar to another if the second can be obtained from the first by a sequence of rotations, reflections, translations, and dilations; given two similar two-dimensional figures, describe a sequence that exhibits the similarity between them.

8.G.A.5 Use informal arguments to establish facts about the angle sum and exterior angle of triangles, about the angles created when parallel lines are cut by a transversal, and the angle-angle criterion for similarity of triangles.