Name: _____   Date: _____

Achievement Check Rubric

Category	Level 1	Level 2	Level 3	Level 4
Knowledge/ Understanding	• demonstrates limited knowledge of area in composite two-dimensional shapes	• demonstrates some knowledge of area in composite two-dimensional shapes	• demonstrates considerable knowledge of area in composite two-dimensional shapes	• demonstrates a thorough knowledge of area in composite two-dimensional shapes
Thinking	• uses planning and critical-thinking processes with limited effectiveness	• uses planning and critical-thinking processes with some effectiveness	• uses planning and critical-thinking processes with considerable effectiveness (e.g., finds total area and estimates for shingles in an organized way)	• uses planning and critical-thinking processes with a high degree of effectiveness (e.g., finds total area and estimates for shingles in a well-organized way)
Communication	• expresses and organizes mathematical thinking with limited effectiveness • uses mathematical vocabulary and notation with limited effectiveness	• expresses and organizes mathematical thinking with some effectiveness • uses mathematical vocabulary and notation with some effectiveness	• expresses and organizes mathematical thinking with considerable effectiveness • uses mathematical vocabulary and notation with considerable effectiveness [e.g., expresses answers to b) and c) clearly]	• expresses and organizes mathematical thinking with a high degree of effectiveness • uses mathematical vocabulary and notation with a high degree of effectiveness [e.g., expresses answers to b) and c) in a clear and detailed manner]
Application	• applies knowledge to this context with limited effectiveness	• applies knowledge to this context with some effectiveness	• applies knowledge to this context with considerable effectiveness (e.g., recognizes that this roof is composed of two-dimensional shapes)	• applies knowledge to this context with a high degree of effectiveness (e.g., may demonstrate efficient calculations, recognizing that some shapes are identical)