

Name: _____

Date: _____

BLM 8.CP.1

Chapter 8 Problem Wrap-Up Rubric

Category	Level 1	Level 2	Level 3	Level 4
Knowledge/Understanding	<ul style="list-style-type: none"> demonstrates limited knowledge of the Pythagorean theorem and surface area and volume for three-dimensional shapes 	<ul style="list-style-type: none"> demonstrates some knowledge of the Pythagorean theorem and surface area and volume for three-dimensional shapes 	<ul style="list-style-type: none"> demonstrates considerable knowledge of the Pythagorean theorem and surface area and volume for three-dimensional shapes 	<ul style="list-style-type: none"> demonstrates a thorough knowledge of the Pythagorean theorem and surface area and volume for three-dimensional shapes
Thinking	<ul style="list-style-type: none"> uses planning and critical-thinking processes with limited effectiveness 	<ul style="list-style-type: none"> uses planning and critical-thinking processes with some effectiveness 	<ul style="list-style-type: none"> uses planning and critical-thinking processes with considerable effectiveness (e.g., breaks problem into parts, selects formulas, performs calculations, draws conclusions, checking them for appropriateness) 	<ul style="list-style-type: none"> uses planning and critical-thinking processes with a high degree of effectiveness
Communication	<ul style="list-style-type: none"> expresses and organizes mathematical thinking with limited effectiveness uses mathematical vocabulary, diagrams, and notation with limited effectiveness 	<ul style="list-style-type: none"> expresses and organizes mathematical thinking with some effectiveness uses mathematical vocabulary, diagrams, and notation with some effectiveness 	<ul style="list-style-type: none"> expresses and organizes mathematical thinking with considerable effectiveness uses mathematical vocabulary, diagrams, and notation with considerable effectiveness (e.g., expresses solutions in an organized manner) 	<ul style="list-style-type: none"> expresses and organizes mathematical thinking with a high degree of effectiveness uses mathematical vocabulary, diagrams, and notation with a high degree of effectiveness (e.g., expresses solutions in a clear and detailed manner)
Application	<ul style="list-style-type: none"> applies knowledge of measurement formulas to this context with limited effectiveness uses technology with difficulty 	<ul style="list-style-type: none"> applies knowledge of measurement formulas to this context with some effectiveness uses technology with some success 	<ul style="list-style-type: none"> applies knowledge of measurement formulas to this context with considerable effectiveness uses technology appropriately 	<ul style="list-style-type: none"> applies knowledge of measurement formulas to this context with a high degree of effectiveness uses technology appropriately and efficiently