Name: _____   Date: _____

Chapter 8 Problem Wrap-Up Rubric

Category	Level 1	Level 2	Level 3	Level 4
Knowledge/ Understanding	• demonstrates limited knowledge of the properties and use of the sine law and cosine law	• demonstrates some knowledge of the properties and use of the sine law and cosine law	• demonstrates considerable knowledge of the properties and use of the sine law and cosine law	• demonstrates thorough knowledge of the properties and use of the sine law and cosine law
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., considerable evidence of planning in choices of strategies and application of trigonometry)	• uses planning and critical thinking processes very effectively (e.g., detailed evidence of planning in choices of strategies and application of trigonometry)
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., uses good form for presenting solutions; provides the solution to a prescribed degree of accuracy, i.e., nearest metre)	• expresses and organizes mathematical thinking with a high degree of effectiveness • uses mathematical vocabulary and notation with a high degree of effectiveness (e.g., uses very good form for presenting solutions; provides the solution to a prescribed degree of accuracy, i.e., nearest metre)
Application	• applies knowledge of properties of the sine law and cosine law with limited effectiveness	• applies knowledge of properties of the sine law and cosine law with some effectiveness	• applies knowledge of properties of the sine law and cosine law with considerable effectiveness (e.g., provides solutions using both the sine law and cosine law; provides a reasonably accurate and appropriate diagram with or without GSP)	• applies knowledge of properties of the sine law and cosine law with a high degree of effectiveness (e.g., provides solutions using both the sine law and cosine law; provides an accurate and appropriate diagram with or without GSP)