Name: _____ Date: _____

Section 4.4 Achievement Check Rubric

BLM 4–9

Categories	Level 1	Level 2	Level 3	Level 4
Knowledge and Understanding • Demonstrates understanding of the sine law • Demonstrates understanding of the ambiguous case of the sine law • Demonstrates understanding of the cosine law	• Demonstrates limited understanding of the sine law • Demonstrates limited understanding of the ambiguous case of the sine law • Demonstrates limited understanding of the cosine law	• Demonstrates some understanding of the sine law • Demonstrates some understanding of the ambiguous case of the sine law • Demonstrates some understanding of the cosine law	• Demonstrates considerable understanding of the sine law • Demonstrates considerable understanding of the ambiguous case of the sine law • Demonstrates considerable understanding of the cosine law	• Demonstrates thorough understanding of the sine law • Demonstrates thorough understanding of the ambiguous case of the sine law • Demonstrates thorough understanding of the cosine law
Thinking • Prepares a plan to solve the problem • Carries out the plan	• Needs extensive assistance to begin organizing a plan and needs some steps to follow	• Needs some assistance to organize and implement an effective strategy	• Needs minimal assistance to organize and implement an effective strategy	• Needs no assistance to organize and implement an effective strategy
Communication • Provides clear explanations and justifications • Correctly uses mathematical language • Clearly labels diagrams	• Does not clearly explain or justify solution • Uses limited mathematical form • Uses limited labelling on diagrams	• Explains or justifies the solution somewhat • Uses minimal mathematical form • Uses minimal labelling on diagrams	• Explains or justifies the solution fully • Uses good mathematical form • Diagrams are well labelled	• Explains, justifies, and shows insight into the complexities of the solution • Uses excellent mathematical form • Diagrams are fully and clearly labelled
Application • To real-world situations	• Has limited understanding of the math behind the real-world situation (does not know where to begin)	• Has some understanding of the math behind the real-world situation	• Has considerable understanding of the math behind the real-world situation	• Has thorough understanding of the math behind the real-world situation

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