

Name: _____

Date: _____

BLM 2-9

Section 2.4 Achievement Check Rubric

Category	Level 1	Level 2	Level 3	Level 4
Knowledge and Understanding <ul style="list-style-type: none"> Perform cosine law calculations. Convert units. 	Demonstrates limited understanding of the cosine law and unit conversion calculations.	Demonstrates some understanding of the cosine law and unit conversion calculations.	Demonstrates considerable understanding of the cosine law and unit conversion calculations.	Demonstrates thorough understanding of the cosine law and unit conversion calculations.
Thinking/ <ul style="list-style-type: none"> Prepare a plan to solve the problem. Carry out the plan. 	Needs extensive assistance to begin organizing a plan and needs clearly laid out steps to follow.	Needs some assistance to begin organizing a plan and needs some steps to follow.	Needs minimal assistance to organize and implement an effective strategy.	Needs no assistance to organize and implement an effective strategy.
Communication <ul style="list-style-type: none"> Clear explanations and full justifications. Correct use of mathematical language. 	Does not clearly explain or justify solution. Maintains the correct units in some of the solution.	Explains and justifies solution somewhat. Maintains the correct units throughout most of the solution.	Explains and justifies solution fully. Maintains the correct units throughout the solution.	Explains, justifies, and shows insight into the complexities of the solution. Maintains the correct units throughout the solution.
Application <ul style="list-style-type: none"> Recognize component shapes in the figure and apply the cosine law. 	Interprets the information ineffectively and has considerable difficulty determining the missing length or possible routes.	Interprets the information somewhat effectively and has some difficulty determining the missing length or possible routes.	Interprets the information with considerable effectiveness and has little difficulty determining the missing length or multiple possible routes.	Interprets the information with a high degree of effectiveness and has no difficulty determining the missing length or all possible routes.

