

RUBRIC FOR PERFORMANCE TASK #8 — A TRIGONOMETRIC TRIP

Scores and Criteria				
Assessment Category	Passable level of achievement – below provincial standard LEVEL 1	Moderate level of achievement – below, but approaching provincial standard LEVEL 2	High level of achievement – at provincial standard LEVEL 3	Very high to outstanding level of achievement – above provincial standard LEVEL 4
	Knowledge/ Understanding			
	Student determines angles and distances but makes significant error(s).	Student determines angles and distances with minor errors or omissions.	Student determines angles and distances accurately.	Student determines angles and distances accurately and verifies solution.
	Thinking/Inquiry/Problem Solving			
	- Student attempts parts of the task but there is no evidence of a plan. - Conclusions are somewhat connected with work but are not supported.	- Student uses a plan but it is inappropriate. - Conclusions are consistent with work but are not fully supported.	- Student uses an appropriate plan. - Conclusions are supported by evidence and integrate aspects of the problem.	- Student uses an appropriate plan, and solution integrates all aspects of context. - Conclusions are supported, integrate all aspects of the problem, and are convincing.
	Communication			
	- Diagram accurately displays a little of the information. - Few mathematical conventions are used. - Explanations and justifications are unclear.	- Diagram accurately displays some of the information. - Some mathematical conventions are used correctly. - Explanations and justifications are understandable but unclear.	- Diagram is correctly drawn and displays most of the information. - Most mathematical conventions are used correctly. - Explanations and justifications are clear.	- Diagram accurately displays all of the information. - Consistently uses mathematical conventions correctly. - Explanations and justifications are clear and thorough.
	Application			
	Student selects and applies few appropriate trigonometric relationships in posing and solving the problems.	Student selects and applies some appropriate trigonometric relationships in posing and solving the problems.	Student selects and applies trigonometric relationships in posing and solving the problems.	Student selects and applies most efficient trigonometric relationships in posing and solving the problems.