

RUBRIC FOR PERFORMANCE TASK #5 — HOW HIGH IS THE TOWER?

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 calculates the lengths and the angle but makes significant error(s).	Student calculates the lengths and the angle but makes minor errors and leaves out information.	Student calculates the lengths and the angle accurately.	Student calculates the lengths and the angle accurately and verifies solution.
	Thinking/Inquiry/Problem Solving			
	The model/plan addresses few aspects of the problem. Reasoning is evident but inconsistent.	- The model/plan addresses some aspects of the problem. - Reasoning is evident and logical in parts of the problem.	- Student uses appropriate plan. - Reasoning is logical and consistent within context.	- Student uses appropriate plan that integrates all aspects of the problem. - Reasoning is logical, consistent, and relates to the broader context.
	Communication			
	- Diagram displays little information. - Few mathematical conventions and forms are used. Explanations and justifications are unclear.	- Diagram accurately displays some information. - Some mathematical conventions and forms are used correctly. - Explanations and justifications are understandable but lack clarity.	- Diagram is correctly drawn and displays most information. - Most mathematical conventions and forms are used correctly. - Explanations and justifications are clear.	- Diagram accurately displays all information. - Student consistently uses mathematical conventions and forms correctly. - Explanations and justifications are clear and thorough.
	Application			
	Student selects and applies a few trigonometric relationships to solve problem.	Student selects and applies some trigonometric relationships to solve problem.	Student selects and applies trigonometric relationships to solve problem.	Student selects and applies the most efficient trigonometric relationships to solve problem.