

RUBRIC FOR PERFORMANCE TASK #9 — MATH MUSIC

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			
	Attempted graphs demonstrate limited understanding of trigonometric graphing techniques.	Graphs demonstrate some understanding of trigonometric graphing techniques.	Graphs demonstrate sufficient understanding of trigonometric graphing techniques.	Detailed graphs demonstrate thorough understanding of trigonometric graphing techniques.
	Thinking/Inquiry/Problem Solving			
	- Parts of the task were attempted but no evidence of connections between graphs and equations. - Reasoning is evident but inconsistent.	- A plan was used but connections between graphs and equations were not evident. - Reasoning is evident and logical in parts of the problem.	- An appropriate plan was used that connected the equations and graphs. - Reasoning is logical and consistent within context.	- Appropriate plan was used and solution integrated all aspects of context. - Reasoning is logical, consistent, and relates to the broader context.
	Communication			
	- Student gathers limited, but accurate information from graphs. - Few mathematical conventions are used. - Explanations and justifications are unclear.	- Student gathers some information from graphs but has difficulty interpreting it. - Some mathematical conventions are used correctly. - Explanations and justifications are understandable but unclear.	- Student gathers sufficient information from graphs and interprets it correctly. - Most mathematical conventions are used correctly. - Explanations and justifications are clear.	- Student gathers complex information from graphs and interprets it fully. - Consistently uses mathematical conventions correctly. - Explanations and justifications are clear and thorough.
	Application			
	Selected graphing technology techniques are frequently inappropriate or are used with some inaccuracies.	Selected graphing technology techniques are sometimes inappropriate or are used but may contain minor errors.	Selected graphing technology techniques are appropriate and are used correctly.	Selected graphing technology techniques are appropriate, used correctly, and are verified or supported.