

CHAPTER 6: RUBRIC FOR CHALLENGE 2

Assessment Category	Scores and Criteria			
	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 and Understanding				
Demonstration of understanding of a concept	Attempted solution demonstrates limited understanding of concepts (identities).	Solution demonstrates some evidence of understanding of concept s.	Solution demonstrates sufficient evidence to show understanding of concepts.	Detailed solution demonstrates thorough understanding of concepts.
Thinking, Inquiry, Problem Solving				
Selection and sequencing of a variety of tools and strategies to solve a problem	The student selects a few appropriate tools and uses these to make a limited attempt to solve the problem.	The student selects some appropriate tools and uses these to solve some of the problem.	The student chooses appropriate tools and uses these to solve most of the problem.	The student chooses appropriate tools and incorporates these in the execution of a plan to solve the problem and verify the solution.
Justification of reasoning and/or conclusion	Reasoning is evident but lacks consistency.	Reasoning is evident and logical in parts of the problem.	Reasoning is logical and consistent within the context of average monthly temperature and periodic functions.	Reasoning is logical and consistent, and description is detailed.
Communication				
Correct use of mathematical symbols, labels, and conventions	The student uses few mathematical conventions.	The student correctly uses some mathematical conventions.	The student correctly uses most mathematical conventions.	The student correctly uses mathematical conventions.
Degree of clarity in explanations and justifications	Explanations and justifications are unclear.	Explanations and justifications are understandable but are unclear.	Explanations and justifications are clear.	Explanations and justifications are clear and thorough.