

CHAPTER 1: RUBRIC FOR CHALLENGE 1

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 geometric sequences.	Solution demonstrates some evidence of understanding of geometric sequences.	Solution demonstrates sufficient evidence to show understanding of geometric sequences.	Detailed solution demonstrates thorough understanding of geometric sequences.
Thinking, Inquiry, Problem Solving				
Selection and sequencing of a variety of tools and strategies to solve a problem	The student selects and uses a few appropriate tools to make a limited attempt to solve the problem.	The student selects some appropriate tools and uses these to solve part 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 the plan to solve problem and verify solution.
Making conclusions and inferences	Conclusions are somewhat connected with the student's solution but are not supported.	Conclusions are consistent with the student's solution but are not fully supported.	Conclusions are supported by evidence and aspects of the problem are integrated with the conclusions.	Conclusions are supported and convincing. Conclusions integrate all aspects of the problem.
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 lack clarity.	Explanations and justifications are understandable but lack clarity.	Explanations and justifications are clear.	Explanations and justifications are clear and thorough.
Application				
Use of a selected tool or strategy	Selected tool or strategy is used with some inaccuracies.	Selected tool or strategy is used, but solution may contain minor errors.	Selected tool or strategy is used correctly.	Selected tool or strategy is used correctly and is verified or supported.