

RUBRIC FOR PERFORMANCE TASK #7 — FRACTALS

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			
	- Some steps of substitutions and evaluations performed but they may have inaccuracies. - Attempted solution demonstrates limited understanding of complex numbers.	- Most steps of substitutions and evaluations performed but they may have inaccuracies. - Solution demonstrates some understanding of complex numbers.	- Substitutions and evaluations performed completely; most computations generally correct. - Solution demonstrates sufficient understanding of complex numbers.	- Substitutions and evaluations performed completely, accurately, and verified or supported. - Detailed solution demonstrates thorough understanding of complex numbers.
	Thinking/Inquiry/Problem Solving			
	Reasoning is evident but lacks consistency.	Reasoning is evident and logical in parts of the problem.	Reasoning is logical and consistent within context.	Reasoning is logical, consistent, and relates to broader context.
	Communication			
	- Student gathers limited but accurate information from mathematical language. - Little evidence of function notation and other mathematical conventions.	- Student gathers some information from mathematical language but has difficulty interpreting it. - Some appropriate use of function notation and other mathematical conventions.	- Student gathers sufficient information from mathematical language and interprets the information correctly. - Use of function notation and mathematical conventions.	- Student gathers complex information from mathematical language and interprets the information fully. - Extensive and appropriate use of function notation and mathematical conventions.