

RUBRIC FOR PERFORMANCE TASK #4 — SOLVING SYSTEMS OF TRIGONOMETRIC EQUATIONS

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 of system of equations solved algebraically but solution may contain inaccuracies.	Most of system of equations solved algebraically but solution may contain inaccuracies.	Systems of equations solved algebraically; most computations generally correct.	Systems of equations solved algebraically accurately and verified or supported.
	Thinking/Inquiry/Problem Solving			
	- Algebraic and graphical models are weakly connected and address few aspects of the situation. - Reasoning is evident but inconsistent. - Conclusions are somewhat connected with work but are not supported.	- Algebraic and graphical models are connected in a few ways and address some aspects of the situation. - Reasoning is evident and logical in parts of the problem. - Conclusions are consistent with work but are not fully supported.	- Algebraic and graphical models are well connected and address most aspects of the situation. - Reasoning is logical and consistent within context. - Conclusions are supported by evidence and integrate aspects of the problem.	- Algebraic and graphical models are well connected and integrate all aspects of the situation. - Reasoning is logical, consistent, and relates to the broader context. - Conclusions are supported, integrate all aspects of the problem, and are convincing.
	Communication			
	- Few mathematical conventions and forms are used. - Explanations and justifications are unclear.	- Some mathematical conventions and forms are used correctly. - Explanations and justifications are understandable but unclear.	- Most mathematical conventions and forms are used correctly. - Explanations and justifications are clear.	- Student consistently uses mathematical conventions and forms correctly. - Explanations and justifications are clear and thorough.