

RUBRIC FOR PERFORMANCE TASK #6 — PROVING IDENTITIES

	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 equations solved algebraically or graphically but these equations may contain inaccuracies. - Attempted solution demonstrates limited understanding of trigonometric identities.	- Most equations solved algebraically or graphically but these equations may contain inaccuracies. - Solution demonstrates some understanding of trigonometric identities.	- Equations solved algebraically or graphically; most computations generally correct. - Solution demonstrates sufficient understanding of trigonometric identities.	- Equations solved algebraically or graphically and accurately. Equations are verified or supported. - Detailed solution demonstrates thorough understanding of trigonometric identities.
	Thinking/Inquiry/Problem Solving			
	- Algebraic and graphical models are weakly connected and address few aspects of the trigonometric statements. - Reasoning is evident but inconsistent. - Conclusions are somewhat connected with work but are not supported.	- Algebraic and graphical models make some connections and address some aspects of the trigonometric statements. - 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 trigonometric statements. - 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 trigonometric statements. - 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. - Either mathematical or narrative form is present, but not both. - Explanations and justifications are unclear.	- Some mathematical conventions and forms are used correctly. - Both mathematical and narrative forms are present, but the forms are not integrated. - Explanations and justifications are understandable but unclear.	- Most mathematical conventions and forms are used correctly. - Mathematical and narrative forms are present and integrated. - Explanations and justifications are clear.	- Student consistently uses mathematical conventions and forms correctly. - Various mathematical and narrative forms are present, integrated, and well chosen. - 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 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.