

RUBRIC FOR PERFORMANCE TASK #1 — ORBITING THE EARTH

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			
	- Attempted solution demonstrates limited understanding of how to determine the equation of an ellipse. - Some steps for finding a, b, and c performed but may contain inaccuracies.	- Solution demonstrates some understanding of how to determine the equation of an ellipse. - Most steps for finding a, b, and c performed but may contain inaccuracies.	- Solution demonstrates sufficient understanding of how to determine the equation of an ellipse. - Steps for finding a, b, and c performed completely, most computations generally correct.	- Detailed solution demonstrates thorough understanding of how to determine the equation of an ellipse. - Steps for finding a, b, and c performed completely, accurately, and student verified or supported the steps.
	Communication			
	- Student gathers limited but accurate information from statement of problem. - The connection between the diagram and the information is weak. - Explanations and justifications are unclear.	- Student gathers some information from statement of problem, or has difficulty interpreting it. - There are some connections between the diagram and the information. - Explanations and justifications are understandable but unclear.	- Student gathers sufficient information from statement of problem and interprets it correctly. - The connection between the diagram and the information is accurate. - Explanations and justifications are clear.	- Student gathers complex information from statement of problem and interprets it fully. - The connection between the diagram and the information is accurate, and the diagram addresses all aspects of the problem. - Explanations and justifications are clear and thorough.
	Application			
	Method/strategy is only partially appropriate to the context of the question.	Method/strategy is generally appropriate to the question.	Method/strategy is appropriate and relates to the context of the question.	Method/strategy is appropriate, efficient, and to the broadest context of the question.