

Appendix D

Trigonometric Modelling - Assessment Rubric

Categories	Level 1	Level 2	Level 3	Level 4
Knowledge and Understanding – Periodic Functions Quiz - Trig Transformations Quiz - Culminating Assessment # 3, 4, 5	The student:			
	-demonstrates limited knowledge of characteristics of periodic functions	-demonstrates some knowledge of characteristics of periodic functions	-demonstrates considerable knowledge of characteristics of periodic functions	-demonstrates thorough knowledge of characteristics of periodic functions
	-demonstrates limited understanding of trig transformations	-demonstrates some understanding of trig transformations	-demonstrates considerable understanding of trig transformations	-demonstrates thorough understanding of trig transformations
	-demonstrates limited understanding of periodic functions & their transformations	-demonstrates limited understanding of periodic functions & their transformations	-demonstrates limited understanding of periodic functions & their transformations	-demonstrates limited understanding of periodic functions & their transformations
Application Application of knowledge and skills in graphing and interpreting trig functions - Culminating Assessment # 6, 7 Transfer of knowledge and skills to new contexts - Culminating Assessment # 6, 7 Making connections - Culminating Assessment # 6, 7	The student:			
	-applies knowledge and skills in graphing and interpreting trig functions with limited effectiveness	-applies knowledge and skills in graphing and interpreting trig functions with some effectiveness	-applies knowledge and skills in graphing and interpreting trig functions with considerable effectiveness	-applies knowledge and in graphing and interpreting trig functions with a high degree of effectiveness
	-transfers knowledge and skills to new contexts with limited effectiveness	-transfers knowledge and skills to new contexts with some effectiveness	-transfers knowledge and skills to new contexts with considerable effectiveness	-transfers knowledge and skills to new contexts with a high degree of effectiveness
	-makes connections within and between various contexts with limited effectiveness	-makes connections within and between various contexts with some effectiveness	-makes connections within and between various contexts with limited effectiveness	-makes connections within and between various contexts with a high degree of effectiveness
Thinking Use of planning and processing skills - Culminating Assessment #1, 2 Use of critical/creative thinking processes - Culminating Assessment #1, 2	The student:			
	-develops a plan to model and solve trig models in real-world contexts with limited effectiveness	- develops a plan to model and solve trig models in real-world contexts with some effectiveness	- develops a plan to model and solve trig models in real-world contexts with considerable effectiveness	- develops a plan to model and solve trig models in real-world contexts with a high degree of effectiveness
	-creates a viable model with limited effectiveness	- creates a viable model with some effectiveness	- creates a viable model with considerable effectiveness	- creates a viable model with a high degree of effectiveness
Communication	The student:			

<p>Expression and organization of ideas and mathematical thinking - Culminating Assessment #1, 2, 6, 7</p> <p>Use of conventions, vocabulary, and terminology - assessed throughout the entire CLA</p>	<p>-creates trig equations and corresponding graphs with limited effectiveness</p> <p>-uses conventions, vocabulary, and terminology of the discipline with limited effectiveness</p>	<p>- creates trig equations and corresponding graphs with some effectiveness</p> <p>-uses conventions, vocabulary, and terminology of the discipline with some effectiveness</p>	<p>- creates trig equations and corresponding graphs with considerable effectiveness</p> <p>-uses conventions, vocabulary, and terminology of the discipline with considerable effectiveness</p>	<p>- creates trig equations and corresponding graphs with a high degree of effectiveness</p> <p>-uses conventions, vocabulary, and terminology of the discipline with a high degree of effectiveness</p>
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