MCR3U - Unit 2 Presentation

Real-world Exponential Growth & Decay

Name: _____

Mark: _____ / 20

K/U	A	T	C
_____ / 4	_____ / 6	_____ / 4	_____ / 6

Presentation Structure (6-8 mins):

- [K] Define exponential growth AND decay; (0.5 mins)
- [C] Discuss a real-life example that can be considered as exponential growth OR decay and explain your reasoning; (1.5 mins)
- [T] Model this example by determining an exponential function formula and including its graph drawn by hand or technology; (1 min)
- [A] Demonstrate at least TWO applications of this model in solving real-world problems. (3 mins)

Submission Checklist:

- A slides or PDF that included all the required elements of the presentation;
- Completed peer feedback (for three peers).

Marking Rubric:

Category	Level 1 (50 - 59%)	Level 2 (60 - 69%)	Level 3 (70 - 84%)	Level 4 (85 - 100%)
Knowledge & Understanding (20%)	Demonstrates a limited or inaccurate understanding of exponential growth and decay (definition, formulas, features, etc.)	Demonstrates a moderate understanding of exponential growth and decay (definition, formulas, features, etc.)	Demonstrates a good understanding of exponential growth and decay (definition, formulas, features, etc.)	Demonstrates a solid and thorough understanding of exponential growth and decay (definition, formulas, features, etc.)
Application (30%)	Demonstrate a limited ability to apply the developed exponential growth or decay model in solving various real-world problems	Demonstrate a moderate ability to apply the developed exponential growth or decay model in solving various real-world problems	Demonstrate a good ability to apply the developed exponential growth or decay model in solving various real-world problems	Demonstrate an excellent ability to apply the developed exponential growth or decay model in solving various real-world problems
Thinking (20%)	Analyze and model the chosen exponential growth or decay using the function formula and graph with limited accuracy	Analyze and model the chosen exponential growth or decay using the function formula and graph with some accuracy	Analyze and model the chosen exponential growth or decay using the function formula and graph with considerable accuracy	Analyze and model the chosen exponential growth or decay using the function formula and graph with a high degree of accuracy

Communication (30%)	Presents information and ideas with limited clarity and details. Uses language with limited effectiveness and accuracy. Provide feedback for peers with limited details.	Presents information and ideas with some clarity and details. Uses language with some effectiveness and accuracy. Provide feedback for peers with some details.	Present information and ideas with considerable clarity and details. Uses language with considerable effectiveness and accuracy. Provide feedback for peers with considerable details.	Presents information and ideas with sufficient clarity and details. Uses language with a high degree of effectiveness and accuracy. Provide feedback for peers with sufficient details.

Comments:

Signature: _____