

Calculus Chapter 4 Test/Project

Chapter 4 Test/Project

Name: _____

NEW DUE DATE: 3/27/2020

Directions:

1. Choose all calculus terms from the Chapter 4 concept list below. Clearly define each term in your own words (handwritten) on a separate sheet of paper or you may type the definitions.
2. Divide a poster board into sections, one for each calculus concept. Include the name of the concept, its definition and **at least two different examples** (may come from your homework) for each concept that illustrate the understanding of the term.
3. Once you have completed the two steps above, on another, separate sheet of paper list three things that you think that you did well, and three things that you could improve upon. This reflection page will be attached to your project.
4. **Attach this page as your cover page for the project.** Assess your work on the left side, based on the rubric.

Due Date:		Grading Rubric					(1Low – 5High)	
Self Assessment Score	Goal	1	2	3	4	5	Teacher's Assessment Score	
1	Correct amount of term were chosen	Missing 4 terms	Missing 3 terms	Missing 2 terms	Missing 1 term	Missing 0 terms		
2	Definitions are accurate	Few terms are clear, accurate and thorough	Less than half of terms are clear, accurate and thorough	Half of terms are clear, accurate and thorough	Most terms are clear, accurate and thorough	All terms are clear, accurate and thorough		
3	Project is neat	Messy; not legible; difficult to read	Disfigured poster or written report but somewhat legible	More than slight disfiguration in poster or written report but somewhat legible	Slight disfiguration in poster or written report but both are legible	No rips, tears, smudges in poster or written report; legible		
4	Project is organized	Difficult to follow	Not logical	Doesn't flow but can be followed	Somewhat easy to follow	Easy to follow		
5	Creativity	Less than two diagrams	At least two diagrams (not colorful)	At least two colorful diagrams	Three or more diagrams (not colorful)	Three or more colorful diagrams		
6	Met due date	N/A	N/A	2 days late	1 day late	On time		
Total Points		30 points possible						

Teacher Feedback:

Chapter 4 Concept List

- Absolute minimum of functions
- Absolute maximum of functions
- Local minimum of functions
- Local maximum of functions
- Critical point of functions
- Extreme Value Theorem
- Mean Value Theorem
- Increasing functions
- Decreasing functions
- Anti-derivative
- First derivative test
- Second derivative test
- Concavity
- Inflection point
- Optimization
- Linearization
- Newton's method
- Related rates

Extra Credit: You may turn in your COMPLETED project **electronically before 3/20/2020** for 2 points extra.