
Miniproject 6: Desmos Activity Lesson

Overview: In this miniproject you will be using the techniques of calculus to find the behavior of a graph.

Prerequisites: A thorough understanding of the differentiation techniques of Chapter 2 of *Active Calculus*.

1. Choose one of the course learning outcomes and create a learning activity at <https://teacher.desmos.com> that introduces the course learning outcomes and teaches students how to demonstrate proficiency at solving problems of that type. You must choose a different course learning outcome type than you used on the Miniproject 3. You will need to create a Desmos account to save your work. To obtain a Passing grade your work should include

- an explanation of the type of problem that is being tested and why it is important,
- a demonstration problem that is different than any problem that was covered in class or in the textbook,
- a framework in which to practice answering the question,
- appropriate images, either included in the activities or created in the course of completing the activity,
- an activity summary (saved when you name the activity) that shows you understand the key ideas of the learning outcome, and
- any study tips or hints that will help a student to succeed in this problem on an exam.

Remember that the goals of your activity are to help other students master the learning outcome and to demonstrate that you have full command of the problem yourself. The learning activity should be aimed at the standard audience for Math 181, your classmates. Be sure to follow the guidelines for earning mastery at our [course home page](#).

Submission instructions: You will submit a url to your activity through the assignment link in Canvas. This url can be found on the home page of your activity by clicking on the “Share activity” button at <https://teacher.desmos.com> next the top right.



From this link I can view and try out your activity.