
Teaching Item 2: Desmos Learning Activity

This Teaching Item is one of three possible teaching items to complete this semester. Successful completion of at least two Teaching Items with a **Mastery** rating is required to earn a B or above in the course.

Choose one of the CORE problem types and create a learning activity at <https://teacher.desmos.com> that introduces the CORE learning outcome and teaches students how to demonstrate proficiency at solving problems of that CORE type. You must choose a different CORE problem type than you used on the first Teaching Item. You will need to create a Desmos account to save your work. To obtain a grade of **Mastery** 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 CORE 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 CORE learning outcome and to demonstrate that you have full command of the CORE problem yourself. The learning activity should be aimed at the standard audience for Math 453, 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 at <https://teacher.desmos.com> next to the text “SHARE WITH OTHER TEACHERS”. From this link I can view and try out your activity.