

**MAE 501 HOMEWORK-7 DUE AT THE BEGINNING OF CLASS ON TUESDAY,
NOVEMBER 1**

One goal for this course is for you to develop your skill in effectively communicating mathematics. With this in mind, you should clearly write up your solutions.

- (1) Finish the in-class exponential project. You can submit this as part of a group or as an individual. Please make sure all included group members are listed on a group submission. Note: an updated exponential handout was posted to the course web page.
- (2) Do this part individually, (and do not attach to the project piece). Find three different textbooks that introduce the exponential function e^x to algebra or pre-calculus students. You can use the NY State Modules as one possible source. For each source, explain how the exponential function is defined and motivated for students. Think about how it makes sense to you to introduce this function at the high school level, and write one or two paragraphs explaining your ideas. I am interested in your mathematical understanding and in how you communicate your ideas.