

Math 111 Group Projects

As part of your final exam grade, you'll be working on a small group project. Here's the idea: At the end of class on Friday, you'll divide into groups of 3–4. Then, you and the instructor will together choose a project (from several choices) that suits your group. Each project will come with a detailed description that guides you through a specific problem.

Your group will have one week to work through your project and write a report which answers the points raised in the project description. Some questions will ask you to find a formula for some quantity, solve an equation, or graph a function. Others will be more open-ended, asking you to make a prediction or discuss the results of a previous question. For questions like these, think carefully about what is going on and write a paragraph or two explaining what you think is happening in the problem and why.

The goal of these projects is to give you a chance to apply the concepts you've learned here in Math 111 to more complicated problems inside and outside the business world. Although the problems are more demanding than usual, you're always welcome to ask for help if your group is stuck. Also, during next Tuesday's quiz section (8/16) you'll have the full hour to work together on your projects and ask questions.

Report Specifications: Each group will turn in a single typed report. Graphs may be drawn by hand (neatly), or on the computer.

Grading: The base project grades will be based on the following criteria:

- 50% mathematical correctness
- 30% explanations of results and predictions
- 20% overall quality of the report, including graphs

In addition, your individual grade will be adjusted up or down depending on your own participation in the project. These participation grades will be based on anonymous evaluations submitted by each member of your group.

The project will count for 1/3 of your final exam grade.

Important Dates:

- Friday 8/12: Organization of groups and projects
- Tuesday 8/16: Group work day in quiz section
- Friday 8/19: Projects due by email before midnight. You can also turn them in at the final or to my office, Padelford C-34, *before 5pm*.