

Final Paper and Presentation

Mathematical Explorations – Math 110

Block 2, Fall 2007

Your final project will consist of a research paper and a class presentation. You may choose one of the many topics we've brushed upon and delve deeper into the topic. You may also choose a topic completely separate from the material covered in class. No math formulas or calculations are required for the project. I simply want you talk *about* the topic, similar to the chapters in *Archimedes' Revenge*. The only requirements is that your topic be mathematical and *interesting* (especially to you).

You must use at least three sources, at most one from the internet and at most one of the books for the class. The paper should be five to six pages long, double spaced with 1 inch margins. Your presentation should be about 15 minutes long and summarize your findings. The papers are due Wednesday, October 24 at noon. The presentations will take place on Tuesday, October 23 in class.

Ideas for final project topics:

1. Choose a chapter from Archimedes' Revenge and research further into the subjects. Emphasize the recent developments in the area since the book was written twenty years ago.
2. I have several other popular mathematics books which you may borrow and read. For example, The Millennium Problems is a collection of seven extremely difficult problems with a million dollar prize attached. If there's a topic that appeals to you, please let me know.
3. You may choose one of the challenge problems or a sufficiently difficult problem of your own. Explore deeper the problem and report what you find.

You may work with one other person in the class. Make sure to clear your final project topics with me so that we don't have seven projects on the same topic.