

Name:

Date: Monday, September 26, 2016

MATH 181 F1: Project Guidelines

Important Deadlines:

- **Friday, October 7**, Project Proposals (blue forms) are due at the beginning of class.
 - **Wednesday, November 30**, Projects are due at the beginning of class.
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Project Options:

1. Writing Project.

You should write a total of 3-5 pages double-spaced (approximately 750-1000 words) about an aspect of mathematics that interests you. This can be an opinion piece, a research paper, a story, etc., but you must have at least two references (and please do not use Wikipedia).

2. Music or Art Project.

You should create an original piece of artwork or music related to mathematics. (For example, write a short musical piece about a traveling salesman, create an Escher tiling, etc.) A paragraph or two of explanation (approximately 100-150 words) of the related mathematics should accompany your art. You must have at least one reference (and please do not use Wikipedia).

3. Education Project.

You should prepare a lesson plan for a topic in mathematics that interests you. This should not be a standard topic (For example, the Pythagorean theorem, addition, parabolas, etc.; if in doubt then please ask me). This lesson plan can be aimed at any age group, and your final submission should include any materials that you would use (lecture notes, worksheet, activity description, etc.). You must have at least one reference (and please do not use Wikipedia).

4. Infinity Project.

You should explore some aspect of infinity. Any medium will be accepted, if properly explained. An explanation of at least 100 words should accompany your submission. You must have at least one reference (and please do not use Wikipedia).

Grading:

You should complete one of the four project options individually, keeping in mind that this project will be graded out of 100 points and is worth a total of 15% of your final grade for the course (the same as a midterm). I will be grading on the content, creativity, and quality of the final submissions. It is expected that this project is your own work. Plagiarism may result in an "F" for the project and be reported to the student's college and Senate Committee on Student Discipline.

If you have any questions or concerns, then please do not hesitate to talk to me.