

**When:** Student presentations will be given on November 5 and November 10.

**Project:** The goals of this exercise emphasize the quality of the mathematics and are based on the **NCTM** standards. They are

1. For students to begin to learn to work on mathematics collaboratively in groups
2. For each student in MA 201 to make a quality oral presentation about some part of mathematics covered in the course
3. For students to begin to think about mathematics both independently and as part of a group
4. For students to begin to learn to write about mathematics
5. To acquaint the students with some journals and articles in the literature which are mathematics content based
6. For students to present ideas with a conceptual emphasis.

**Groups:** There will be 5 groups formed partly by the instructor. You will be given an opportunity to submit one person with whom you would like to work. From there, I will assign groups. Students will be given a choice of topics by the instructor.

**Presentation Day:** Presentations will not have a combined time to present. Instead, each member of the group must make an oral presentation of precisely five minutes. The expectation is that the presentations be well planned. Class members are expected to attend class whether or not their group is presenting. Missing class (in full or in part) will result in a reduction of your grade for the presentation assignment. I **will** be monitoring attendance on the week of presentations.

**Preparation for the Presentation:** Each group will be required to meet with the instructor before they give their presentation. This meeting will take place at a pre-determined time in the instructors office. At this time, the instructor will give appropriate feedback concerning the groups planned presentation.

**The presentation:** The group will decide how to structure its presentation (remembering that everyone must speak). The audience for the presentation is the members of your MA 201 class and your purpose is to explain the material in your section to your fellow students. The presentations will be evaluated as

1. Quality of the oral presentation as a presentation: (20 points)
2. Preciseness and mathematical correctness (20 points)
3. Applicability to the classroom- did you relate the material to what you would expect to see in K-8? (20 points) (This is not the same as presenting it school children)
4. Creativity-did you bring something to the presentation other than what was in the article or book? (20 points)

**Peer Mentor Assessment Assignment:** Each person (A) will be paired up with someone from another group (B) before the presentations begin. Person A will be asked to review Person B's presentation using the criterion in the list above. Then Person A will write up and turn in an assessment to the teacher of no less than one page. Note that the assessment will not affect Person B's group presentation grade. The assessment that Person A writes will be worth 20 points towards Person A's presentation grade. Honesty, respect, and constructive criticism are a few expectations to have here.

**Scoring:** The presentation is worth 15% of your total grade.

**Finally:** I strongly urge you to practice the presentation as a group and coach each other on the organization of material for each individual speaker and speaking itself. Constructive criticism is quite important. If you have any questions, please come see me. Remember, waiting until the last minute will not benefit you or your fellow groupmates!

**Additional Info:** The overall score of the group will be your individual score. If you believe someone in your group is not performing, please let me know via e-mail or other means.

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## Group Member Request Form

Please remove and return by Tuesday, October 13.

I, \_\_\_\_\_, am requesting to be in a group with \_\_\_\_\_ for the upcoming project.

(note: Students will be grouped up in pairs. Thus student A can request student B, but then student B cannot request anybody but student A)

If you have a preference, circle which section you would like to present.

- 3.1
- 4.4
- 5.1
- 5.2
- 5.3
- 5.4