

MA 310 001, SPRING 2011.

- *Reading:* Polya, Part I, §1–13, to be completed by Wednesday, 19 January 2011.
- Jan 12, Introduction to the class.
- Jan 14, In class competition, graded on participation.
- Jan 19, begin discussing problem set 1.1, please solve as many of the problems as possible. At the beginning of each class, you will be asked to turn in a card listing the problems that you are ready to present.

Plan to write careful solutions to problems 1.1 #6 and 9.

As you prepare solutions of problems, please consider the following guidelines for reviewing your solution. These are borrowed from Carl Lee.

1. Is a statement of the problem included?
2. Is the answer correct?
3. Is the method of solution valid?
4. Is the explanation clear and complete, including sufficient verbal explanation to clarify the various steps and reasoning?
5. Is the mathematics correct?
6. Is the mathematical vocabulary correct?
7. When helpful, does the explanation make good use of such aids as diagrams, charts, tables, etc.?
8. Is the answer double checked at the end?
9. Does the explanation use proper grammar and spelling?

Suggestions: Write your solution so that if you read it a year it a year from now you will understand both the statement of the problem and your solution. Try reading the solution out loud to yourself, or ask a friend to do this and offer feedback using the above criteria.

January 10, 2011