

Math 2001 - Group Homework 2

- Use the Group Work Report form, as you did last week. Your group's work product will be the filled-in Group Work Report, along with solutions to the assigned work given below. For now, these can both be handwritten, but must be written **neatly**. Turn both of these in on the due date.
- As before, elect a leader, a scribe and a presenter for this week for your group. These jobs are assigned **differently** from last week. The job of the leader is to keep the group on task and to fill in the Group Work Report. The job of the scribe is to record and write up everything to be handed in. The job of the presenter is to present any of these problems to the class, if necessary, and contribute in an essential way to the work the group does. The group leader should record on the Group Work Report who is taking each role. These roles will switch each week.
- For the rest of the meeting, the leader should record on the Report of Group Work any questions for your Instructor (anything your group was not able to resolve together), along with a basic narrative description of events of the meeting. Help the leader by suggesting how to briefly summarize what transpired, and wait for the leader to finish.
- **Main Task 1:** Allow each group member to ask questions on homework, reading and class notes. Continue until everyone understands all of the questions and everyone else's answers, and all questions and concerns have been resolved. If something is unresolved, put it on the list of questions for your Instructor.
- **Main Task 2:** Create summary notes for section 1.2, 1.4, 1.5, and 1.6 of the textbook. Each group member should arrive prepared to contribute to the list of key concepts. Collate these ideas, organize them, and add brief explanations or examples to create a document you can use for review later in the semester. Turn this in.
- **Main Task 3:** On the first day of class, you were introduced to the "Mystery Algorithm". Choose an example and do it together to review the steps of the algorithm. In class, many students suggested that the algorithm produces the product of the two starting numbers. Have a discussion with your group in which you either try to produce a counter-example, or begin to formulate ideas about why the algorithm would always produce the product. Spend at least 10 minutes on this. You do not need to turn this in, but the presenter should be prepared to share your ideas with the class, even if the ideas are only partially formed.
- **Main Task 4:** Complete and turn in solutions to the Set Practice worksheet. Turn in just one copy. You can find a blank copy of the worksheet on the course website.
- Before the meeting ends, help the leader make sure that the Group Work Report has been filled in and everyone has signed it. The scribe will take home the final solutions you have written together as a group and type them, or write them up neatly and turn them in. I recommend that the scribe send the final copy to the groupmates to proofread before submitting them.