

Final Project Math 123

Your Goal: To thoroughly understand the material in your chapter and communicate that to the rest of the class. Your team will write a paper together, give a presentation, and write an abstract for the presentation. The abstract will summarize your work, the presentation will give an overview and highlight your work, and the paper will be written so as to be understandable by the class. Namely, the class is your audience.

There will be 3 main parts of your final project. You will be graded on your individual work as well as on your ability to coordinate with your team members (though this will be a minor portion of your score).

Part 1: The outline Each member of the team will read the material from their assigned chapter and choose a 1 or 2 problems (depending on the difficulty) from their chapter. The team then has to agree on how the different problems are related and how they will tie their solutions together under one main topic. They will write an outline of this and turn it in as a team. This is due May 21st.

Part 2a: The solution Each member of their team will have to write a complete solution to their problem and all its parts. This is due Wednesday May 28th. They will be corrected and returned on Friday May 30th.

Part 2b: The solution If necessary, you will make corrections. The day of your presentation you will hand in a group paper. It will contain each of your solutions as well as an expanded version of the outline which explains the connections between your chosen problems. The paper will have the following sections: 1) an introduction explaining the main topic and how the problems are related. 2) one section per team member which includes an introduction to their problem(s) as well as the solution(s). Item (1) will be written and edited jointly by the team while each team member will individually write their own sections for item (2). It's recommended to have the other team member act as editors, but is not required. When editing, you should make sure that sentences are clearly and concisely written.

Part 3a: The abstract Your team will hand in an abstract the class period before your talk is scheduled. So, if you are speaking on June 2nd, it is due on May 30th. It must be brief (no more than 50 words) and state what you will discuss in your presentation.

Part 3b: The presentation The presentations will be the week of June 2nd and during our final exam period. Each member of the team will have approximately 15 minutes to speak. They will present an overview of their problem, how it ties in to their team's topic, and also present a sketch of a proof or calculation. This presentation must be rehearsed so that you can cover what you need to cover in 15 minutes. You will be graded on

preparedness, clarity and correctness of the exposition.