

Math 491 - Mathematical Writing  
Writing Assignment #10  
Due: By 4:00pm on Friday, May 10th

**Instructions:**

You will pick a mathematical topic of your own interest. You may use the topic that you have developed through Assignments #8 and #9 or you may switch to a different topic. You should meet with me to discuss your topic and content for this assignment at least two weeks before your preliminary draft is due. You will write an approximately twelve-page paper (at least 10, not counting the title page and bibliography, and not more than 20 pages) describing your topic in detail. This will require researching the topic and understanding how it fits into the greater context of the world of mathematics, presenting important theorems and their proofs. Your topic can be narrow as long as it's broad enough to fill a twelve page paper. You should cite at least five sources. Your audience is your current classmates. You may assume a grasp of the basic concepts and principles involved.

A preliminary draft is to be submitted. Your preliminary is due a few days before it is to be discussed in class (see the sign-up sheet handout for the exact due date of your draft). If your preliminary draft is deemed to be unacceptable, you will be asked to improve it before it is distributed to the rest of the class. This draft will be read by your class members and the instructor (each student will be asked to bring two copies of their suggested revisions one to be given to the author of the paper and the other for the instructor) and you will receive feedback that you should use to revise your draft. If you do not submit a preliminary draft, your final paper will be penalized 10% (and you will not receive any draft feedback from me or from your peers). Please note that giving helpful feedback on your classmates preliminary drafts comprises 5% of your final grade in this course.

A final paper is then to be submitted. Final student papers will be graded on grammar, flow, style, and on proper displaying, labeling, and punctuation of mathematical symbolism, tables, and graphs. You will be penalized for significant errors in content, but the main emphasis in grading will be on the quality of the writing. Your final paper is due by 4:00pm on May 10th (you may turn in your final paper as soon as you have completed your revisions).