

# Math 194: Problem Set #5

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Spring 2024

Due in 1 week.

## Problem 1

Propose your paper topic to me and get me to approve it. The approval form is attached below, and I also handed out print copies in class. (Ask for one if you didn't already get one.)

## Collaboration Policy

With each week's homework, you must turn in a one paragraph description of all the resources you used on that homework. You must mention any person you talked to about the problems, any book you looked at, any online resource (Wikipedia, Chegg,...) that you used. A sample paragraph is

On this week's homework, I worked on the problem set collaboratively with Gauss and Grothendieck at The Redroom during happy hour. We found an Alex Jones video (<http://youtube.blah.com>) that gave a really clear explanation of Fermat's Last Theorem. We compared our solutions against a solution key that we found on the /commutativealgebra/ board of 4chan (<http://blah.blah.edu>). We also got really stuck on Problem 5, and so we went to Chegg.com and paid an online tutor ("Zariski") \$50 to solve the problem for us.

Name:

Description of project:

Two scholarly sources that you will use:

Signature of instructor (Jesse Kass):