

Math 312: Winter Semester, 2021

ComPAIR instructions

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General guidelines

- Your submitted work should be your own. As with any other homework, you may discuss ideas with others, but writing must be your own.
- No materials from this course may be posted on external websites such as Chegg, Facebook, Reddit, CourseHero, StackExchange, and so on.
- The main learning goal is to improve our writing and reading of mathematical proofs.
- Marks are assigned based on participation; peer evaluation addresses the correctness of the solutions.
- All assertions in require *proof*. Regardless of the problem's operative word ("find", "solve", "establish", "calculate", "determine" ...), you must rigorously justify your answer. Written work should be presented carefully, with sufficient detail in complete English sentences. A "correct sequence of formulas" is not enough.
- For the sanity of your readers submissions must be *typeset*. Both LyX and LaTeX source files will be provided, but you can use any other document preparation system.
- Submit by noon on the date shown; typeset submissions will be appreciated by the readers.
- After the submission date you will be asked to compare three (3) pairs of submissions by other students. You will have 4 days after the due date of the assignment to conduct your comparisons.

Criteria for comparison (applied by the students)

- Which submission is more mathematically correct?
 - Provide feedback on the correctness of the proof.
- Which submission is written more effectively?
 - Provide feedback on the effectiveness of the writing.

Grading Rubric (applied by the TA)

1. Submission to ComPAIR (observe: *complete* \neq *correct*).
 - 0 Studnet did not submit an assignment, or the submission is essentially empty.
 - 1 Student submitted a partly complete assignment, or the submission is of visibly low effort (for example does not look like a proof, or more mathematical symbols than words).

2 Student submitted a visibly complete assignment.

2. Comparisons in ComPAIR

0 Student didn't provide the required number of comparisons, or the comparisons are so quick or vague that it appears they hadn't actually read anything.

1 Student provided the required comparisons but with only marginally useful feedback (for example comments are general rather than specific).

2 Student provided the required comparisons with useful feedback. It is clear they have read the submissions.