

Math 112 Review for Exam 2

Our second exam covers the material starting on Friday of Week 3 (modular arithmetic) and ending on Monday of Week 7 (topology). So the topics covered will be:

- » modular arithmetic
- » the field, order, and completeness axioms
- » extrema (upper and lower bounds, sups and infs, maxs and mins)
- » the complex numbers
- » topology.

During the exam, you are permitted to reference our lecture notes, our group problems and their solutions, our homework, and your own notes. Calculators, computers, phones, collaboration, books, and the Internet (beyond accessing course materials) are prohibited during the exam. Your exam should be typeset with TeX (an overleaf template will be provided) and submitted to Gradescope. The exam will not be timed, so you can take as long as you want and with multiple sittings. (The exam is designed to take about as long as a usual group problem set.)

To study for the exam, you should review the relevant lecture notes, group problems, and homework assignments.

If questions arise during your studying, please feel free to ask via email.