Proofs:

• Math 225 is a proof-based course
Proofs:

- Math 225 is a proof-based course
- What is a proof?
Conjectures: things we think are true, but have not yet proved

Proofs: the logical cement that holds it all together

Axioms: the foundation of things we assert are true without proof

Theorems: facts that are proved with logic

Definitions: naming things we care about
Proofs:

• Math 225 is a proof-based course.
• What is a proof?
• How can you expect this course to be different from other math courses you have taken?
Resources:

• Professor office hours
• TA office hours
• ULA study group sessions
• ULA proof writing workshops
Course Structure

• The two sections of Math 225 will be closely coordinated
  • Shared homework sets
  • Shared exams
  • Shared TAs and ULAs
  • Closely matched pacing
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• Math 225 and 226 will be paced similarly, so that switching from 226 to 225 is possible
Course Structure

• Textbook: *Linear Algebra* by Friedberg, Insel, and Spence
• MWF lectures
• Weekly homework sets
• 2 midterms and a final
• Grading: Your final grade will be based on the higher of the two following scores
  • 30% Homework, 20% Midterm 1, 20% Midterm 2, 30% Final Exam
  • 30% Homework, 20% MAX( Midterm 1, Midterm 2), 50% Final Exam
Questions?