

Source: [\[KBe2020math530index\]](#)

## 1 | Emphasize

- The more you participate, the more you will get out of this
- Learn how to communicate mathematics
  - Read and write proofs
  - Convince yourself and others what is true.

## Course Notes

- Use the chat box.
- Textbook
  - Introductory math writing
    - Math text but author tries to make it understandable
- Discussion
  - What is linear algebra
    - Good for understanding data
    - **Study of Matrices**
      - Many applications, including systems of equations
  - Why is it called that [\[KBe2020math530floLinalgEtymology\]](#)
  - What is a number? [\[KBe2020math530floNumbers\]](#)
- Math as a game
  - Rules
    - some sets of rules don't work together
    - some sets of rules work but they are boring
    - we use the rules we do because they lead to interesting properties
  - definitions are important