

## 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.

### 1.1 | 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