Mock Lecture: Proofs of Physics

- -> Test date decide Friday?
- Highschool Vis. Uni Physics (Free Vis. Hard)
 - You see the same questions from class in the test.
 - In Uni, you have to depend on your ability to understand physics, not whether or not you've done the question before.
- -> Two hardest courses in Uni For Waterloo Engineering! Proofs / Physics

A direct proof

- Most of the time, you will have to prove a sentence true or false.
- Most sentences have a hypothesis ("if clause) and a conclusion ("then" clause)
- -Eix, If I like all apples, then I like red apples.

 ∞ is an integer, $\infty \neq -1$. If $\infty + 1$ is even then ∞ is odd.

If a block is on a table, then there is normal force on the block,

- Divisibility. Suppose a and b are integers. If a b, then there exists an integer K such that Ka=b. Then converse is true.

Ex. 2/4, 5/0, 3/12, 5/8, -5/10