

# MATH 205 Survival Guide - Flashcards

By Frogge

## 1 Anki

There's a lot of stuff to memorize in MATH 205, and flashcards help *a lot*.

I wanted to regularly sync them between my PC and my phone. The only software that fit the bill was [Anki](#) (the other ones don't support mathematical notation).

Feel free to use and modify my flashcards ([flashcards.colpkg](#) file).

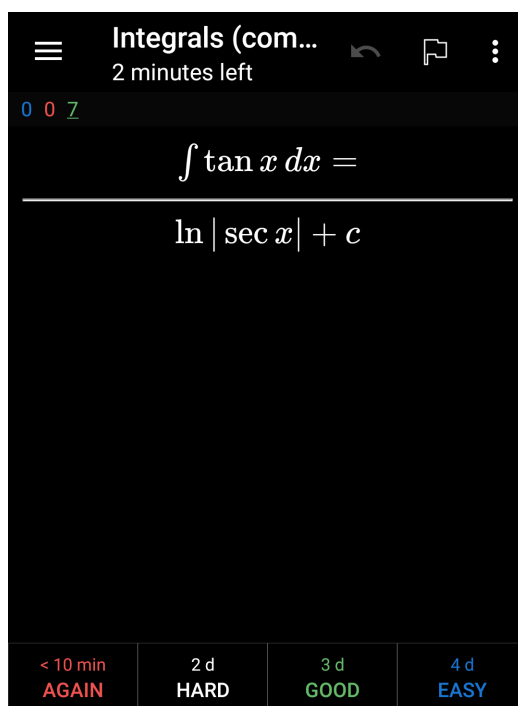


Figure 1: A flashcard displayed by AnkiDroid on mobile.

## 2 Decks

**Purple decks** only need to be memorized for the final, the rest should be memorized for the midterm.

There's about 180 cards but 80 of them are reviews of Calculus I and earlier topics. 50 cards are Calculus II pre-midterm content, and another 50 are post-midterm content.

Anki's spaced repetition system quickly narrows the cards down to the challenging ones.

### 2.1 Pre-Calculus

- Algebra
- Factoring
- Functions
- Trigonometry

### 2.2 Calculus I

- Limits
- Derivatives (rules)
- Derivatives (common)

### 2.3 Calculus II

- Summation Notation
- Integrals (rules)
- Integrals (common)
- **Integrals (improper)**
- **Sequences (rules)**
- **Series (rules)**
- **Series (tests)**
- **Maclaurin Series**

### 2.4 Common Patterns

- Midterm Tricks
- **Final Tricks**