**NOTE: This document is meant to summarize every major concept I have learned in every math class I have taken in College that I may forget (so nothing obvious like definitions of vectors, etc.). Completely empty for now, will do that someday.**

- Synthetic division

- Partial Fractions

- Power Series & McLaurin series

-- Generating functions

- Integration by parts

- Chain rule, product rule, quotient rule

- Properties of: Sums, logs, Inequalities

- Griadient (Hessian) of multivariate vectors

- Convex Optimization (Properties and definitions):

- Convex sets, convex combinations, definition of convexity, etc.

Calc II

Multivariable Calculus

Differential Equations

Linear Algebra

Combinatorics

Numerical Methods

Statistics

Discrete Maths

* Greatest Common Denominator
  + Lowest Common Multiple
* Euclidean Algorithm
  + …
* Modular Arithmetic