

# Precalculus

Summer 2025

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## Description

Precalculus is often a year long course designed to give students to necessary background for calculus. With limited time in summer for this course, it is impractical to thoroughly cover all material that would appear in a standard course. This course is intended to focus on helping students prepare to take precalculus in the upcoming school year. As such, this class will restrict its focus to the more difficult topics found it precalculus. Experience with Algebra I is expected. Knowledge up to Algebra II is definitely helpful and may be required sometimes.

## Format

Homework will be assigned in the form of problem sets. While not required, it is strongly recommended students complete homework. Homework can be submitted for feedback. Asking for help (by email) when stuck is highly encouraged.

## Content (Tentative)

- Algebra II Review
- Factoring
- Functions
- Graphing Functions and Manipulations of Graphs
- Polynomial and Rational Functions
- Graphing Polynomial and Rational Functions
- Exponential and Logarithmic Functions
- Trigonometric Functions
- Polar

## Contact

Contact me with email at either lewislau121@gmail.com (preferred) or lululaulau228@gmail.com. Please call me Lewis.