

AP PRECALCULUS

AP Precalculus Course Description

This AP Precalculus course prepares students for the AP exam and future math courses. Students learn about functions, including linear, polynomial, rational, exponential, and logarithmic types. They study trigonometry, periodic functions, identities, and equations, and apply these ideas to real-world problems. The course also covers sequences, probability, and counting. By the end of the course, will be prepared to enter into Calculus.

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2e.

Precalculus 2e, Abramson,
OpenStax 2021



Course Topics

1. Intro to Functions
2. Linear Functions
3. Polynomial and Rational Functions
4. Exponential and Logarithmic Functions
5. Trigonometric Functions
6. Periodic Functions, Trigonometric Identities, and Equations
7. Further Applications of Trigonometry
8. Sequences, Probability, and Counting Theory

Additional Resources

- [OpenStax Textbook and Resources](#) digital access to the textbook
- [Pearson MyMathLab](#) - additional practice
- [College Board](#) - includes test information and additional practice for the AP Exam

