AP Precalculus

AP Precalculus prepares students for other college-level mathematics and science courses. Through regular practice, students build deep mastery of modeling and functions, and they examine scenarios through multiple representations. The course framework delineates content and skills common to college precalculus courses that are foundational for careers in mathematics, physics, biology, health science, social science, and data science.

Learn more from College Board: AP Precalculus

Prerequisites

- Successful completion of Geometry and Algebra 2

Expectations & Assessments

Who should take it?

- Students who have a genuine interest in mathematics, persistence, self-motivation, and the ability to extend beyond their comfort zone

Instructional Approaches

- Collaborative work
- Quizzes, Classwork, and Homework
- AP-Style Tests
- Cumulative final exam

AP Classroom resources: AP Precalculus

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Work Time Expectations and Course Structure

- Students are expected to do homework after every class to review important concepts learned each day.
- In class, after lectures on new material, students will be working together to deepen their understanding.
- Similar to college courses, for every 1 hour of class time, students are expected to practice for 1-2 hours outside of class.

Skills Gained from this Course

- Building deep mastery of modeling and functions
- Examining scenarios through multiple representations
- Observing, exploring, and building mathematical meaning from dynamic systems

What are the AP Assessments for this class?

Summative Assessments 70%

Tests

Formative Assessments 30%

Quizzes, Classwork, Homework

AP Exam Breakdown

Section I: MCQ, 62.5% of Exam Score
-28 Qs (no calculator), 80 mins
-12 Qs (calculator), 40 mins
Section II: FRQ, 37.5% of Exam Score
-2 Qs (calculator), 30 mins
-2 Qs (no calculator), 30 mins

Desmos graphing calculator is now allowed on the AP Precalculus Exam

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