



Precalculus

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Prerequisites:

- This class is for grades 11-12.
- Must have completed Geometry and Algebra 2.
- Students scoring a B or better in prerequisites taken at WHCT are not required to take a placement test.
- All other students must pass a placement test prior to registration.



Course Description:

Precalculus is a fast paced, dense course. We will cover multiple topics, including polynomials, rational, exponential, logarithmic and inverse functions, matrices, complex numbers, conics and trigonometry; also vectors, polar equations, parametric equations, sequences. There will be extensive use of graphing of most of these functions, by hand and calculator.



Commitment:

Homework:

- You should work the “Now try problem #...” problems noted in the text and have your parent check the answers in the back of the book to note whether you are doing them correctly. Students are to correct the missed problems and turn the homework papers in to me.

Quizzes (40% of class grade) done at home^:

- Given each week, posted on Schoology. Study the quizzes in the book, the answers are in the back.
- Work independently, open book and notes, but not open Google or AI
- Return in folder for grading

Tests (40%) done at home^:

- After each chapter – about every 2 weeks
- Open book and notes, but not Google or AI
- Calculator allowed unless specified

^Return in folder for grading

- Study Chapter test samples in book with answers in back

Mid term exam and final exam (10% each):

- Will be taken in class
- Open book, calculators allowed



A typical class will look like...

In a typical class, we will review the material and examples in the text, covering 2-3 sections each week. Students will have opportunities to suggest methods for working the problems and ask questions to assure they understand the principles and methods used.



Books and Supplies

Textbook:

Precalculus: A Right Triangle Approach (5th Edition); Lial, Hornsby, Schneider, Daniels ISBN-13: 978-0-321-78380-6



Required Supplies:

- Graphing calculator. Desmos app is actually superior for graphing but not required.
- Computer with internet access to schoology
- Loose leaf paper for homework, quizzes and tests
- Folder to turn in quizzes & tests for grading