

# Sargent High School Precalculus

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## Topics Covered

- Review of Linear Equations, Quadratics, Even/Odd Functions, Domain/Range
- Functions, Graphs, Polynomials, Power, and Rational Functions
- Exponential and Logarithmic Functions
- Trigonometric Functions, Analytic Trigonometry, Applications of Trigonometry
- (Possible) Discrete Mathematics (Probability, Series, Statistics)
- (Possible) Intro to Calculus

## Textbook (will be provided by the school)

Precalculus Graphical, Numerical, Algebraic Seventh Edition

by Foley, Demana, Waits, and Kennedy (copyright 2007) published by Pearson

## Homework

Homework will be assigned nearly everyday, and will be assigned and completed using the textbook provided. The student will have TWO DAYS (including the day it was assigned) to complete the assignment. (For example: if an assignment is assigned on Monday, then it will be due Wednesday at the beginning of class.) Also, every week a small set of supplementary problems will be handed out. The solutions to these problems must be written out and turned-in for grading. Supplementary problems will typically be assigned every Wednesday and due the following Wednesday at the beginning of class. These problems, in general, will be more complex than the homework problems, and will give the student practice synthesizing and applying the concepts learned in class. They will also give me a chance to provide the student with feedback on his/her problem-solving skills before being tested on the material. Late work will be handled as follows....

1st day late	=	a 10% deduction of overall assignment grade
2nd day late	=	an additional 10% deduction of overall assignment grade
3rd day late	=	a grade of 0% will be given for the assignment

## Tests and Final Exams

There will be a total of EIGHT tests and two finals, throughout the school year. A final exam will be given at the end of each SEMESTER, and will be cumulative only with the respective

## Sargent High School Precalculus

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semester. The best study aides in preparing for the final are the student's homework, notes, and tests. There will be no surprises on the finals (it will be just like the tests, but it will be VERY thorough!) Also, the final will be weighted TWICE that of a normal test.

### Grading

Coursework grades will be used to calculate a final numerical score for the course. Each component will be weighted as follows:

Homework	40%
Supplementary problems	30%
Tests	30%

Letter grades will not be assigned until the end of the quarter. If the student needs to estimate the course grade at any time, use the following scale:

100.0% - 97.0%	A+
96.9% - 93.0%	A
92.9% - 90.0%	A-
89.9% - 87.0%	B+
86.9% - 83.0%	B
82.9% - 80.0%	B-
79.9% - 77.0%	C+
76.9% - 73.0%	C
72.9% - 70.0%	C-
69.9% - 67.0%	D+
66.9% - 60.0%	D
59.9% - 0%	F

### Cheating

Cheating of any sort will not be tolerated. If the student is caught intentionally cheating, the student will receive a MINIMUM penalty of zero for that work. Repeated instances of cheating

## Sargent High School Precalculus

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will result in an F for the course and may be subject to additional discipline (suspension or expulsion).

### **Special Consideration**

If the student requires course adaptations or accommodations because of documented disability, if the student has emergency medical information to share with me, or if the student needs particular arrangements in case the building must be evacuated, please meet with me and inform me of the particular situation as soon as possible.

and finally...

As the instructor of the class I reserve the right to change, edit, and revise the syllabus and the course content as needed.

I expect a lot from my students, and in return I give all the help I can. PLEASE come talk to me if/when you need help. Helping you succeed in the classroom is my job, and it's a job I love to do.