

Precalculus (Honors)

Highland Academy, 2019-2020

Purpose

Precalculus continues the exploration of functions that was begun in Algebra II. Its purpose is to equip the learner with the mathematical tools and conceptual understanding needed for calculus and some college science classes.

General Course Topics

Functions and Graphing
Polynomials and Rational Functions
Exponents and Logarithms
Trigonometric Functions and their Application
Systems and Matrices
Analytic Geometry
Series, Sequences, Probability and Statistics
Limits, Derivatives and Integrals

Assessment

All classwork will be viewed in the light of the teacher's expectations, which will be clearly communicated for each assignment. Exceptional scores require exceptional performance.

This is how much each type of learning assessment counts:

- Tests: 33%--given after each chapter.
- Quizzes: 33%--given at the midpoint and at the end of every chapter.
- Homework: 34%--given from the problem sets for each lesson in the textbook.

Assessing Student Work

Unless another scoring rubric is specified, the following will be used to assess student work:

Unless another scoring rubric is specified, the following will be used to assess student work:

- Quizzes and Homework: scores will be determined by taking the percent correct.
- Tests: scores will be determined by taking the percent correct and adding to this an adjustment, if necessary, based on the performance of the entire class on a given test. The adjustment will be an offset sufficient for all students whose percent is 1 standard deviation above the mean (or greater) to receive a score in the coveted 90-100 range. This same adjustment will be applied to all students' percents. The instructor reserves the right to limit the adjustment to no more than 15 points, regardless what the standard deviation is.

Letter grades will be issued according to the following scale:

A: 93-100	A-: 90-92	
B+: 87-89	B: 83-86	B-: 80-82
C+: 77-79	C: 73-76	C-: 70-72
D+: 67-69	D: 63-66	D-: 60-62
F: < 60		

Late Work

Tests, Quizzes and Homework are to be made up as soon as possible after returning from an absence. The general rule will be for the assessment to be completed within the number of days missed, from the time of returning to class. (Example: Johnny is out of class on Thursday and Friday, missing an assessment. Johnny returns to class on Monday. Johnny will have two days, for the two days missed, to make up the assessment for full credit. Johnny will need to complete the assessment by Wednesday, or receive 10 points out of the 100% trimmed off of his score for each day after Wednesday that he waits. After 10 school days from this deadline, no credit will be given for completing the assessment.)

For late work that is submitted, unrelated to an absence, 10 points out of the 100% will be trimmed off of the score for each day late after the due date.

Exceptions might be made to this late work policy for catastrophic illnesses and for other extreme circumstances. These circumstances will be determined by the instructor and principal. See page 33 of the *Highland Academy Handbook* for further information.

Behavioral Expectations

- interact orderly and courteously; speak one at a time.
- treat the building and equipment with care.
- come to class with what you need -- pencil, notebook, textbook.
- absences and tardies will be handled according to the school policy.
- no food, drink or gum.
- visits to the restroom will be allowed if they don't become excessive. What constitutes excessive will be a judgment call of the instructor. (These visits are for emergencies.)
- it is THE STUDENT'S RESPONSIBILITY to find out what was missed when absent by looking at the assignment web page, by asking the teacher or by asking a classmate.
- class time is to be used for working on Precalculus tasks.