

NORTHLAND PREPARATORY ACADEMY
ALGEBRA III
SCHOOL YEAR 2019 – 2020

TEACHER: Leo Hartsock **Room 209** **e-mail:** lhartsock@northlandprep.org

TEXTBOOKS/MATERIALS:

- **Textbook:** Blitzer, Robert (2014). *Algebra and Trigonometry 5e*. Pearson Education, Inc.
- 1½ - 2-inch binder
- Lined paper
- 5 dividers labeled Bellwork, Notes, Homework, Quizzes/Tests, Other (recommend, not required)
- Pencils
- **Graphing Calculator** (TI-83 or 84)

COURSE DESCRIPTION:

Continues the coverage of the basic elements of algebra. Included are equations and inequalities, absolute value, exponents and radicals; functional notations and composition of functions; functions and graphs, linear and quadratic functions; rational and algebraic functions; exponential and logarithmic functions; definition of trigonometric functions using the unit circle; graphs of the trigonometric functions; right triangle trigonometry; Law of Sines; Law of Cosines; systems of equations and inequalities, theory and application of matrices and determinants, inverse functions; conic sections; sequences and series; Binomial Theorem.

PARTICIPATION/PREPARATION:

Active class participation and preparation in activities and discussions are required components of this course. If you miss class for any reason, it will be your responsibility to get the notes from one of your classmates or as posted on my website.

CLASSROOM RULES:

Along with the rules and regulations put in place by NPA,

- Be courteous and respectful to others.
- Make effective use of every minute of every class period.
- No Cell-Phones. If they are seen for any reason, they will be taken away with no negotiation.
- No Cheating. If you are caught cheating, you will receive a zero for the assignment and be referred to the Dean.
- No food or drink except for water.

GRADES:

Your grade will be computed using the following approximate percentages:

Classwork: 20%
Homework: 30%
Quizzes: 20%
Tests: 30%

TESTS/QUIZZES:

- If absent only the day before the test or the day of the test, then the test will be taken the first day back. If absent for more than one day prior to the test, then the test must be taken within 5 school days of returning.
- Students will have the option to *retake ONE Test* of their choice each semester. The retakes are optional and are required to be completed no later than two weeks prior to Final Exam week.
- It is the student's responsibility to meet with me and set dates and times to complete missed tests/quizzes or for retakes.

HOMEWORK:

Homework will be completed online through MyMathLab. Detailed instructions of how to login and use the website will be given in class and computer time will be available before and after school on certain days. There will be an unlimited number of attempts during the time allowed for individual assignments. Please ask Mr. Hartsock if there are any questions at least 24 hours before the assignment is due.

EXTRA HELP:

Students who are having difficulty with the lessons or with the homework should contact me **immediately** for extra help. I will be available after school most days, except during the winter sports season. Since quizzes and tests are 50% of your grade, it is in your best interest to see me before you take quizzes and tests if you are having any difficulty at all. Don't wait until the last minute to get help...it won't do you any good.

My main goal, besides teaching you cool math skills, is to improve your work ethic and sense of personal responsibility toward your education.

I reserve the right to make additions, deletions, and modifications to the syllabus and course requirements with reasonable notifications during class and/or as posted on my NPA webpage.

I have read and understand the syllabus for Mr. Hartsock's Algebra III 2019/20:
(a copy of the syllabus is also posted on Mr. Hartsock's NPA website)

STUDENT NAME (print) : _____ Period: _____

STUDENT signature

Date

PARENT/GUARDIAN signature

Date