TEACHER: Molly Rogers   **Room 810**   **e-mail:** mrogers@northlandprep.org

REQUIRED 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
- Pencils
- White board markers
- **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:

> Homework/Other: 25%
> Quizzes: 25%
> Tests: 50%

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 always be posted on my website which can be accessed on the NPA website. It will be assigned regularly and every assignment will be reviewed for *completion* in the beginning of the following class period. Part of your homework is TO CHECK and CORRECT YOUR ANSWERS. To get credit for homework you must attempt ALL of the problems, show ALL your work, AND check/correct answers. **Credit will not be given if you have not checked your work!**

Late homework will only be accepted one day late for half credit. **Any late or incomplete assignment will result in a lunch detention.** Late homework due to an excused absence will be given the same number of days as were missed to be completed.

- **Specific math expectations**
  - Every answer must be clearly marked (ie. boxed in).
  - All units should be included.
  - Problems that require an "exact" solution should not be rounded.
  - Any formulas used should be listed within the problem, in their original state. I want to know why you do what you do.

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. Since quizzes and tests are 75% 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 Mrs. Rogers' Algebra III 2015/16:
(a copy of the syllabus is also posted on Mrs. Rogers' NPA website)

STUDENT NAME (print) :_____ Period:_____

_____ _____
   STUDENT signature   Date

_____ _____
   PARENT/GUARDIAN signature   Date