

## Algebra III      2015-2016

Mrs. Phibbs

[mphibbs@hawthorne.k12.nj.us](mailto:mphibbs@hawthorne.k12.nj.us)

973-423-6415 X3104

Description: Advanced Algebra and trigonometry

### Objectives:

1. functions- identification of domain and range, graphing and transformations
2. exponentials and logarithms – simplifying expressions, solving equations, graphing
3. trigonometry – derive unit circle trig functions, solving equations, graphing, using identities

Prerequisites: successful completion of Algebra II including mastery of polynomials, radicals, exponents.

Textbook: Larson, Ron; Algebra and Trigonometry 8<sup>th</sup> Edition, Cengage Learning, 2011

### Required Materials:

- Three-ring binder divided into 1) Notes/Class Work, 2) Homework, 3) Quiz/Test
- pencils and erasers (highlighter and red pen helpful)
- graphing calculator (TI 84 Plus will be provided for work in classroom)

### Class Expectations and Consequences:

- **Be respectful** of material, classmates, teacher and school.  
Raise your hand and wait to be recognized before speaking.  
Minimize class disruption by remaining seated during lessons.  
Cellphones (or any other electronic device) must be turned off and away or they will be turned over to administration in accordance with school policy.  
Follow school rules.
- **Be prepared** – in your seat and ready to begin work at the bell. You will not be permitted to go to your locker for forgotten material. If you are not seated when the bell rings, you will be marked as tardy. School tardy and absence rules apply.

Consequences: warning, teacher detention, call home, referral to administration

### Extra Help:

Every day from 7 – 7:40 AM or by appointment.

Please do not wait till the day before a test to get help. Come as soon as you encounter difficulty.

Absence:

If you are absent, it is your responsibility to check “While You Were Out” for work missed. All assignments are to be completed in the amount of time you are absent. Example: absent two days, then you have two days to make up work. If you are absent on the day of a test/quiz, your grade will show as 0 and you are expected to make it up **on the day you return unless other arrangements are made.**

If you are absent and a test/quiz is scheduled on the day you return, **you are expected to take the test/quiz** unless other arrangements are made. All tests have prior notice.

Grading: Each marking period is 20% and final exam is 20% of full year grade.

Marking Period Grade		
Category	Point Range	Notes
Tests <b>45%</b>	75 - 100+ per test	Announced at least one week prior. Minimum 2 tests per marking period
Quizzes <b>20%</b>	5 – 50 per quiz	Announced or unannounced Approximately 1 every 2 weeks
Homework <b>20%</b> <i>Critical to success!</i>	1-10 per assignment	<b>Never accepted late except due to absence.</b> Posted in class and on website and due next class meeting. May be evaluated three ways: 1. checked for good effort 2. collected and graded for correctness 3. use of homework quiz  Must <b>show work</b> , be neat, be readily available. <u>Minimal credit will be given for just showing the answer.</u> Homework solutions may be posted on website or in text book and students are <b>expected</b> to check answers.
Other Assignments <b>15%</b>	varies	Active listening, asking/answering questions, note taking, contributing to positive classroom environment, class assignments, projects.

STUDENT SIGNATURE: \_\_\_\_\_ DATE: \_\_\_\_\_