Algebra 3

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Office Hours

The following times may change periodically due to other scheduled meetings

7:30 – 8:10	Achievement Hour Days
2:10 – 2:45	Thursdays
By appointment	

Course Description / Content

This course is a continuation of the functions covered in Algebra 2 and an introduction to the concepts of college algebra. We will be covering the same material that most college students must take and complete during their college career. It will review the linear, quadratic, exponential, logarithmic, polynomial, rational and radical functions. It will also include the complex number system, trigonometric functions, statistics, probability and data analysis. This course is an introduction to the concepts of college algebra.

Semester 1 – Content
Complex Numbers
Quadratic Functions
Polynomial Functions
Radical Functions
Rational Functions
Exponential / Logarithmic Functions

Semester 2 - Content
Inverse Functions
System of Equations
Matrices
Trigonometric Functions

Calculator

A graphing calculator is required. I will be using the TI-84. The TI-83, TI-83 plus, TI-84 plus or TI-Nspire may also be used. If you buy any other calculator, bring your instruction manual to class on a daily basis, since you will be teaching yourself how to use your calculator. There are certain models that are not allowed such as but not limited to the TI-NSpire cas and TI-92.

Homework

- Homework will be assigned on a daily basis and will be graded with questions answered the next day; however it will not be turned in until the following Monday. Homework may include reading of the assigned material which will need to be completed by the next day. It is the student's responsibility to come to class prepared to share and discuss solutions. If a student earns an A or a B on the unit exam, full credit for homework will be given. If you earn a C, D or F you will be assigned the percent of the assigned problems completed. Periodically, I will ask for an assignment to be turned in the next day and I will grade it for accuracy.

Projects and Class Activities

There will be class activities and projects assigned on a regular basis that are designed to enhance the study of the course material. These activities will help develop critical thinking skills and may require computer research and reading of outside material, such as newspapers. Research has shown that achievement levels are higher and retention greater when learning takes place in a cooperative environment. This means that discussing ideas with and asking questions of your colleagues is of more benefit than having me entertain you. In other words, you should be spending class time thinking about and doing mathematics rather than passively listening and watching while the instructor does mathematics. You will be assigned a cooperative group of 3 – 4 students the first day of class. This will be your support group. You will work together on classroom tasks and projects. Your group members will be responsible for getting handouts and information to you should you miss a class. You may also be assigned to other groups during the course.

Tests and Quizzes

There will be formative quizzes (5-20 pts) on a regular basis.

- If you get below a C on a formative quiz, you will be required to attend Achievement Hour tutoring and retake the formative exam.

There will be a cumulative test at the end of each unit (100pts).

- Test corrections for half credit may be made so that you can go back and reflect on what has been learned and what needs to be done better. When doing your exam corrections, be sure to include:
    - Corrections for all problems that you got wrong or skipped on a separate sheet of paper
    - A written explanation about why each problem was missed
- The corrections sheet and the original exam will be turned in within one week

Make-Up Exams

Exams ***MUST*** be taken on the scheduled date unless ***PRIOR*** arrangements have been made with the instructor. All exams will be made up during Achievement Hour the day you return from your absence or as approved by the instructor. Whether you receive full credit depends on if the absence is excused or unexcused.

Attendance

Regular attendance is expected. If you know you will be absent, the work is due prior to the absence. Absences are not a valid reason for being unprepared for class, not turning in assignments on time or for missing a test or quiz. If an absence is unexcused, you will be expected to turn in the work or take the assessment, but will receive only 50% of the credit.

Late Work

Any work turned in after I collect it will be considered late and will receive 50% of credit earned provided it is turned in before the end of the unit. Any work turned in after the unit assessment will receive no credit. **If a student knows he/she will be absent for any reason including a school related activity, the work is to be completed and turned in before attending the event (unless prior arrangements have been made with the instructor) in order to receive full credit for the assignment.** Any long term project (5 or more days to complete) will not be accepted late for any reason. If you are absent the day the assignment is due, it is still your responsibility to get the assignment to me. Please call or e-mail to make arrangements.

Cumulative Final

There will be a cumulative final at the end of each semester. It will consist of two parts, a performance based and a multiple choice component.

Grading Procedure

50% Tests / Quizzes
30% Activities / Projects
10% Homework
10% Final

A: 90 – 100 %
B: 80 – 89%
C: 70 – 79%
D: 60 – 69%
F: 0 – 59% or excessive absences

Parent and Student Access to Grades

The school is using Synergy this year as the on-line grading program. Parents and students may access the student's grade at www.http:\\qc.apscc.org\pcp

Algebra 3

Expectation of Instructor	***Expectation of Students***
I will do my best to make the course meaningful for every student.	I expect you to be in class on time and not leave early.
I will try hard to plan interesting and useful activities and assignments.	I expect you to read the material and study the examples to help you better understand the concepts that we are learning.
I will make sure that the material on quizzes and tests is not a surprise. (However, you may see thing you learned in a different setting.)	I expect you to be prepared for every class by doing the homework assignments and bringing required material.
I will be fair in evaluating your work and give you as much opportunity as possible to do your best work.	I expect you to contact another student in your study group when you are absent to find out your assignments.
I promise to maintain a positive attitude at all times.	I expect you to contact me if you have any problems with the course as soon as the problems begin.
I will begin and end class on time.	I expect you to participate in class activities
I will be in constant communication with you in regards to your studies and grades.	I expect you to be courteous and respectful to me and to you classmates.
I will discuss your grade with you at any convenient time	I expect you to maintain a positive attitude at all times.
I will be courteous and respectful of you.	I expect you to understand the course will be meaningful to you according to your attitude and the effort you put forth.

<u>Consequences</u>

If a student chooses to break a rule, then

1st Offense: Warning/Conference with student	Documented
2nd Offense: Notification of Parent/Guardian	Teacher/Department Consequence
3rd Offense: Conference with Parent/Guardian	Teacher/Department Consequence
4th Offense: Written Referral	
Severe Offense: Security will remove student immediately.	Administrator Conference

The mission of the QCHS mathematics department is to facilitate the growth and development of each student as a responsible, independent learner of mathematics, and the applications thereof.

Please sign below indicating that you have read and understand the expectations, content and policies for Ms Morris' Algebra 3 course.

Parent Contact Information:

Student Name (Print) _____

Parent / Guardian (Print)_____

Preferred Contact Phone _____

Alternative Contact Phone _____

E-Mail Address _____

_____
Parent Signature Date

_____
Student Signature Date