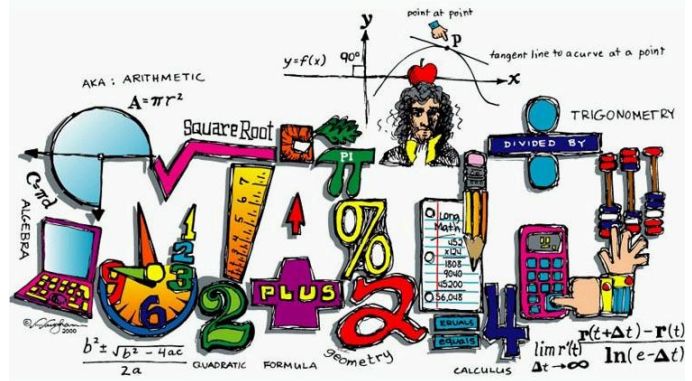


Algebra Honors Syllabus

8th Grade * 2010-2011 * Miss Rosales

Email: srosales@immaculateheart.org

Office Hours: By appointment.



Course Description: This course will introduce you to the abstract study of numbers and their relationship to one another. Pairs of numbers form graphic representations that bring us a powerful visualization of relations. You will develop a more sophisticated way of dealing with word problems by applying algebra. The skills you develop in Algebra are critical to the study of Geometry and Intermediate Algebra, as well as the quantitative aspects of any field that you may wish to pursue in the future.

Required Materials:

- Glencoe Mathematics *Algebra 1*
- Spiral notebook for notes
- Loose-leaf college-ruled and graph paper for assignments
- Mechanical pencils and eraser
- Lead for mechanical pencils
- Red pen for corrections
- TI-83 or TI-83+ calculator

Benchmarks and Performance Standards:

After completing the course work for Algebra 1, students will:

- Solve linear equations and model real-world situations using linear equations.
- Solve systems of linear equations and model real-world situations using systems of linear equations. Solve linear inequalities and model real-world situations using linear inequalities.
- Solve simple absolute value equations and model real-world situations using absolute value equations. Know and use the properties of addition and multiplication (associative, commutative, identity, inverse, and distributive).
- Graph linear and simple exponential functions.
- Factor 2nd degree and simple 3rd degree polynomials and solve quadratic equations by factoring and completing the square.
- Understand the difference between relations and functions and find the domain and range of simple functions.
- Recognize different forms of linear equations (slope-intercept, point-slope, and standard form) and use those forms to find the equation of a line from 2 points or a point and a slope.
- Understand what slope is, how to find the slope of a line from a graph or an equation, and how slope relates to parallel and perpendicular lines.
- Understand basic experimental and theoretical probability.
- Know how to use the graphing capabilities and other functions of the TI-83 calculator.

CLASS INFORMATION AND EXPECTATIONS

Classroom Guidelines:

- Arrive on time
- Be prepared
- Show respect for others
- Listen carefully, follow directions, & ask questions!

Attendance: Every day is important! Your success in this course is directly related to how often you are present. If you are absent, it is your responsibility to get the work and notes that you missed. All absent work is due within one week of the original due date unless otherwise arranged with the instructor.

Grading: Math grades are based on all classwork, homework, quizzes, exams, and effective use of class time.

Late Work: Students will receive two Homework Passes each semester and may use them to submit homework assignments within a week of the original due date to receive full credit. HW passes may only be used for certain assignments made specific by the teacher. At the end of the semester students will earn bonus points for unused passes.

Homework: Homework is assigned regularly. Homework is due at the beginning of class on the day after the assignment is given. Assignments will also be listed on the class web page.

All assignments must include the proper heading as shown below. There is additional help with odd-numbered available on www.HotMath.com. The password is **xe63070de** .

○	Name	Date
	Subject	Period/Grade
	Chapter & Lesson: Assignment	

Tests and Quizzes:

Students will be notified in advance of quizzes and tests. Any quizzes and tests that are missed for any reason need to be rescheduled with the teacher within a week of the test date.

Tests and quizzes will be sent home to be reviewed and signed by parents. All tests and quizzes in students' portfolios will be available for review at any time.

Textbooks: The student textbook should be covered at all times. Adhesive book covers and fabric book covers are not permitted.

The textbook, as well as many supplementary materials, is available online. The Online Student Edition (OSE) can be accessed by visiting www.algebra1.com , selecting the current text and logging in to the OSE. The User Name is **ALG1** , and the Password is **wRec84ehed**.

Dear Students and Parents,
Please sign and return this portion of the page by **Friday, August 27, 2010**.

We have read and understand the course syllabus for 8th Grade Algebra Honors.

_____ Student Name (Print)	_____ Period	_____ Student Signature	_____ Date
_____ Parent/Guardian Name (Print)		_____ Parent/Guardian Signature	_____ Date