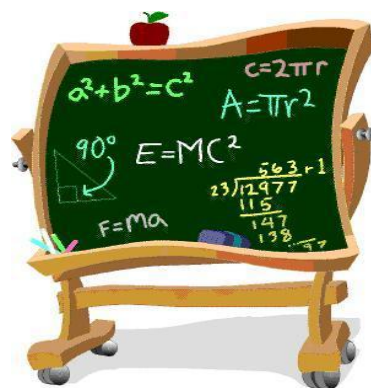


# Pre-Algebra Honors Syllabus

7<sup>th</sup> Grade \* 2010-2011 \* Miss Rosales

Email: [srosales@immaculateheart.org](mailto:srosales@immaculateheart.org)

Office Hours: By appointment.



**Course Description:** Throughout the course of the year, you will learn to use basic principles of algebra to analyze and represent proportional and non-proportional linear relationships. You will apply operations to situations involving rational numbers as well as use probability and statistics to make predictions. You will develop a more sophisticated way of dealing with word problems by applying these skills.

### Required Materials:

- Glencoe Mathematics *Pre-Algebra*
- 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 Pre-Algebra Honors, students will:

- Solve linear equations and model real-world situations using linear equations.
- Compare and order integers.
- Perform operations with integers (addition, subtraction, multiplication, division).
- Graph points on the coordinate plane.
- Convert fractions and decimals to percentages; convert percentages to fractions and decimals.
- Calculate percentage of change.
- Solve proportions.
- Find the mean, median, mode, and range for a set of data.
- Express rational numbers as decimals and decimals as fractions.
- Find the probability of a simple event.
- Express numbers in scientific notation.
- Perform operations with fractions.
- Identify and use rational number properties.
- Solve problems involving scaled drawings.
- Identify and classify numbers in the real number system.
- Graph linear equations.
- Simplify, add, and subtract polynomials.
- Multiply monomials and polynomials.
- 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](http://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.pre-alg.com](http://www.pre-alg.com) , selecting the current text and logging in to the OSE. The passcode is **C91102E61B**.

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 7<sup>th</sup> Grade Pre-Algebra Honors.

\_\_\_\_\_  
Student Name (Print)

\_\_\_\_\_  
Period

\_\_\_\_\_  
Student Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Parent/Guardian Name (Print)

\_\_\_\_\_  
Parent/Guardian Signature

\_\_\_\_\_  
Date