

## Algebraic Properties

- Addition Property of Equality
- Addition Property of Order
- Associative Property
- Closure Property
- Commutative Property
- Distributive Property
- Division Property of Equality
- Identity Property of Addition
- Identity Property of Multiplication
- Multiplication Property of Equality
- Multiplication Property of Order
- Multiplicative Property of  $-1$
- Multiplicative Property of Zero
- Product Property of Square Roots
- Property of Comparison
- Property of the Opposite of a Sum
- Property of Opposites
- Property of Opposites in Products
- Property of Quotients
- Property of the Reciprocal of the Opposite of a Number
- Property of the Reciprocal of a Product
- Property of Reciprocals
- Property of Square Roots of Equal Numbers
- Quotient Property of Square Roots
- Reflexive Property of Equality
- Substitution Principle
- Subtraction Property of Equality
- Symmetric Property of Equality
- Transitive Property of Equality
- Transitive Property of Order
- Zero-Product Property

## Symbols

$\cdot$ multiply	$=$ is equal to
$\neq$ is not equal to	$()$ parentheses (grouping)
$[\ ]$ brackets (grouping)	$\pi$ pi (3.14)
$\in$ is a member of, belongs to	$\dots$ and so on
$-$ negative	$+$ positive
$<$ is less than	$>$ is greater than
$-a$ opposite or additive inverse of $a$	$ a $ absolute value of $a$
$a:b$ ratio of $a$ to $b$	$\pm$ positive or negative
$\Sigma$ sum of	$\infty$ infinity
$\approx$ approximately equal to	$\leq$ less than or equal to
$\geq$ greater than or equal to	$f(x)$ $f$ of $x$
$\{ \}$ braces (grouping)	$\triangle ABC$ triangle $ABC$
$\cap$ the intersection of	$\cup$ union of
$\sim$ is similar to	$\emptyset$ empty set, null set

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# G-Town Math



# Algebra 8



**Mr. Albers**

**Book # \_\_\_\_\_**

# Algebra 8

- **Materials:**

Textbook: McDougal Littell Algebra

PENCILS! Must use Pencils

Spiral Notebook

Calculators

- **How Math Class Works:**

be on time

correct yesterday's assignment

take notes for the day's lesson

ask questions about day's lesson

do practice problems

if time permitting, begin homework assignment

- **Homework:**

Usually the homework assignment will be the Written Exercises in Textbook—every 4th problem (evenx2) or Practice Sheets (show ALL work)

**All homework assignments will be posted on Mr. Albers website along with the notes that were taken that day. The homework assignment is also posted on the school's web page.**

- **Assessment:**

Chapter Test: Form 1 Each test score will be assessed separately. A Pre-test (Form 3) will be sent home the day before the Chapter Test and will be considered a homework assignment.

There will be approximately 5 quizzes per quarter. Quizzes will consist of Practice Sheets throughout the chapters.

Notebook Quiz— There will be at least 1 Notebook Quiz per quarter that stresses notebook organization.

Homework Assignments will be corrected in class by student.

**ON-LINE GRADING:**

Test Scores= 55%

Quizzes=40%

Homework=5%

- **SEMESTER EXAM**

There will be a semester Exam after Chapter 5 (before Christmas) and a 2nd semester exam after Chapter 11 (end of school year). The scoring on these exams will help to determine if a student can bypass algebra in high school.

## MY OATH:

I promise as your Math teacher to do my best in explaining the subject matter that I feel is necessary for you to know in order for you to advance with your Math education. I will also use my spare time (lunch, study hall, and after school when possible) for you if you do not understand a lesson or you were absent!

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## Student OATH:

I promise to do **all** of my assignments. I promise to show all my work. I promise to ask questions when appropriate. I promise to use a pencil. I promise to listen in class. I promise to look forward to going to Math Class and enjoy the class.

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Student Signature