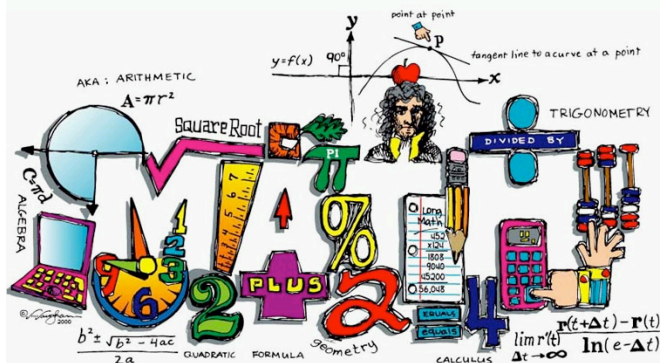


# Adv. Algebra 2B

Mrs. Burgess  
Room 406

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<http://burgessmath.weebly.com/>



## DESCRIPTION

In Algebra 2 you will develop reasoning and problem solving skills as you study topics such as solving linear equations and inequalities, solving absolute value equations and inequalities, graphing linear equations, modeling data and making predictions with linear regressions, graphing linear inequalities, solving systems of equations using various methods, quadratic equations, polynomial functions, exponent rules, radical equations, exponential and logarithmic functions, rational functions, conic sections, probability, sequences and series, and trigonometry.

TECHNOLOGY: A graphing calculator (TI-83 Plus/TI-84) is highly recommended.

### FINAL GRADE DETERMINANTS

80% Grades Earned from Trimester

20% Final Exam

(A mandatory cumulative exam will be given at the end of the semester)

### GRADING PROCEDURE

ASSIGNMENTS/PARTICIPATION - Approximately 20% of grade

QUIZZES - Approximately 35% of grade

TESTS - Approximately 45% of grade

\*\* ALL assessments will have a predetermined time limit

### ONLINE TEXTBOOK

Go to [burgessmath.weebly.com](http://burgessmath.weebly.com)

Directions to download the online book are on the A Alg 2 page.

You will need to create a username and password, and use the activation code given.

### GRADING SCALE

93% - 100%	A	73% - 76%	C
90% - 92%	A-	70% - 72%	C-
87% - 89%	B+	67% - 69%	D+
83% - 86%	B	63% - 66%	D
80% - 82%	B-	60% - 62%	D-
77% - 79%	C+	Below 60%	

### CHAPTER

### CONCEPTS AND TOPICS

5	Polynomials and Polynomial Functions
6	Rational Exponents and Radical Functions
7	Exponential and Logarithmic Functions
8	Rational Functions
12	Sequences and Series
13	Trigonometric Ratios and Functions
14	Trigonometric Graphs, Identities, and Equations

# GRADING

## A. ASSIGNMENTS

- Assignments are very important and should ALWAYS be completed.
- Assignments are typically corrected the day after assigned.
- An assignment is usually worth 5 points and may or **may not** be graded.
- Assignments may be graded on completion, on accuracy.

5 pts: work shown and 100% complete  
3 pts: showing partial work or missing less than half  
0 pts: not showing any work or missing more than half

P.O.D.: questions from  
the previous nights homework

- All late assignments are due by the end of the chapter.
  - √ Absent work: follows the "completion" grading system
  - √ "0 scored" assignments (AKA: Late work): MUST have work shown and is 100% complete for 3 pts. maximum

\*\*\*\*\*

## B. QUIZZES

- A section quiz will be given approximately once a week.
- You will be able to drop one section quiz grade each semester. If you are absent on the day of a section quiz, that is the grade that will be dropped.

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## C. FOLDERS

- An organized folder is recommended for this class.
- Your folder should include (for each chapter):
  - √ all **graded** homework assignments that you have corrected
  - √ all **completed** class notes
  - √ all quizzes
- Folders should always be kept up-to-date, organized, you never know when you might need to reference something from it.

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## D. TESTS

- A test will be given at the end of each chapter (rarely a unit will consist of two chapters).

# CLASSROOM EXPECTATIONS

1. **Respectful:** No swearing or vulgarity, no disrespectful remarks, no interruptions while others are speaking, and please respect other's property, and NO wearing hats, bandanas, or sunglasses in the classroom. PHONES are a distraction to yourself and others - use at the appropriate times.
2. **On Time:** Please be in your seat and ready to go when the bell rings.  
[For example: your ready to work; you have a writing utensil, pencils sharpened, homework completed and out on desk, your book, folder, and a calculator; your done socializing, etc., etc., etc.]
3. **Responsible:** YOU ARE RESPONSIBLE FOR THE SUCCESSFUL COMPLETION OF THIS CLASS. YOU ARE EXPECTED TO DO THE PRACTICE PROBLEMS ASSIGNED, THERE MAY BE TIMES THAT YOUR ARE TEMPTED NOT TO PRACTICE, BUT IT WILL IMPACT YOUR GRADE. DO NOT PUT IT OFF!
4. **Present:** I expect you to be present both physically and mentally. It's your job to be here; you might as well be ready to work hard. If you are absent, please make it a priority to keep yourself organized and to check for make up work before or after class.
5. **Smile & enjoy yourself**