

Advanced Algebra

Ms. Haley Hentrich – Room 272

2017-2018 school year

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Course Overview:

During this course, students will examine properties of families of functions, including linear, quadratic, exponential, logarithmic, radical, and rational functions. Students will learn to represent these functions as verbal descriptions, equations, tables, and graphs. Students will also learn to model real-world situations using functions in order to solve problems arising from those situations. Concepts involving probability, data analysis, geometry, and trigonometry will also be explored throughout the course.

Materials Needed Daily:

- √ Textbook (*Algebra 2 ©2008 McDougal Littell*)
- √ 3-Ring Binder (1.5" or 2")
- √ Notebook or Loose Leaf Paper
- √ Pencil
- √ Scientific or Graphing Calculator

*(NOTE: With regards to calculators, a **scientific calculator** is absolutely necessary. Personal devices will **NOT** be permitted to be used as a calculator.)*

Class Website:

Check out my class website: <http://hentrich.weebly.com> for daily assignments, class notes, I can statements, and chapter layouts. This will be a huge resource for students to review class notes and refer to any assignments, especially students who are absent.

Grading:

<u>Grading Scale</u>	<u>Quarter Grade</u>	<u>Semester Grade</u>
90% - 100% A	70% Tests	40% Quarter 1
80% - 89% B	20% Quizzes	40% Quarter 2
70% - 79% C	10% Assignments: (<i>Homework,</i>	20% Final Exam
60% - 69% D	<i>Notes, Reflections, Binder Checks</i>)	
Below 60% F		

Student Requirements:

- **Tests and Quizzes:**

Tests will typically be given either halfway through a unit or at the end of a unit. Students will not only be given advanced notice of all tests, but will also be given one to two review class periods before all tests.

Quizzes will be given at various times and may or may not be announced ahead of time. Quizzes are used as a guide to help students determine if they are on track or falling behind.

Students with **excused** absences from class on the day of a test/quiz will need to make up that test/quiz outside of class time, either during study hall or after school. Students will have a reasonable amount of time to make up the test/quiz, as designated by the teacher. Students with planned absences due to a field trip, sports, etc. should be prepared to make up assignments or be ready to take tests/quizzes upon return.

- **Assignments:**

Daily practice is a valuable time to reflect upon and practice important concepts, and will be assigned most class periods, including a variety of problems from the textbook and/or worksheets. All daily homework assignments will need to be completed **on time** and will be graded on a 10-point scale, reflecting how much of the assignment was completed/attempted and how well the assignment was done. It is extremely important that students try **all** the assigned problems. No points will be awarded for homework problems if there is no work shown or if there are only answers provided.

Students will be expected to take notes and examples on class discussion/activities daily. Methods of taking notes will be discussed and modeled in class. Students will be graded on the completeness, accuracy, and organization of their notes.

Student reflections will be assigned either halfway through a unit or at the end of each unit. Students will journalize their reflections about different topics from the unit as well as their effort and commitment given towards each unit.

Student binders will be kept and maintained for the course, and will include homework assignments, notes from each section covered in the unit, and student reflections. Binders may be checked and graded at various times throughout the year, usually at the end of a unit, for completion, organization, and neatness.

Late assignments will be accepted for half credit until the end of the current chapter, unless discussed with me in advance and given special permission. All assignments will be available on my website for students to review or for students who are absent.

Student Expectations:

- √ Be in class daily. If a student is absent, it is the **student's** responsibility to get the work that was missed and to make that work up within the time designated by the teacher. Missed materials can be found in two places: on my class website, and on a bulletin board in the back of my classroom.
- √ Students with planned absences (field trips, sports, etc.) should ask for class materials **ahead** of time. Students should also be prepared to make up assignments or be ready to take tests/quizzes upon return.
- √ Bring all materials to class each day.
- √ Be in the room **and** seated when the tone sounds at the beginning of class and have necessary materials out and ready.
- √ Be awake, attentive, and follow directions during class.
- √ Maintain an appropriate noise level during class time.
- √ Give best effort and actively participate in class discussions, work time, and activities.
- √ Cell phones and other personal devices will **not** be permitted unless otherwise noted by the teacher.
- √ Most importantly: **always respect others and their property.**

Extra Help:

- **Ms. Hentrich:**
I highly encourage students that are having any difficulty with the material after studying the material and attempting all the problems to stop by and see me for help. I am available for additional help before school, after school (not on Wednesdays), Hour 1, Hour 4A (ARC – Room 234), and Hour 4C (ARC – Room 258).
- **ARC Room:**
The ARC (academic resource center) is also available 3rd – 7th periods on Mondays, Wednesdays, and Thursdays to students with a pass from the teacher. Students can get any questions answered from the teachers assigned to the ARC room.

Remind 101:

If desired, students can register to receive text messages with reminders of tests/quizzes and other class information. When students sign up, remind101 will not share their phone number so everything stays private. Students can text the number: **81010** with the message: **@mshentri** if they would like to receive class notifications.

remind 101