

Secondary Math II: 2015-16
Mrs. Rebekah Hansen—Room D317
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Course Objectives

The focus of Secondary Mathematics II is on quadratic expressions, equations, and functions; comparing their characteristics and behavior to those of linear and exponential relationships from Secondary Mathematics I as organized into 6 critical areas, or units. The need for extending the set of rational numbers arises and real and complex numbers are introduced so that all quadratic equations can be solved. The link between probability and data is explored through conditional probability and counting methods, including their use in making and evaluating decisions. The study of similarity leads to an understanding of right triangle trigonometry and connects to quadratics through Pythagorean relationships. Circles, with their quadratic algebraic representations, round out the course. The Mathematical Practice Standards apply throughout each course, and, together with the content standards, prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations.

To learn more about the Utah Core Standards, visit:
<http://www.schools.utah.gov/CURR/mathsec/Core.aspx>

Course Materials

Students will need to have the following items with them in class **EVERY DAY**:

- (1) School planner (mainly for hall pass purposes)
- (2) At least 2 sharpened pencils
- (3) Colored highlighters and/or pens to correct work and organize notes
- (4) 1 or 1 ½ inch binder with dividers for math notes and homework
- (5) Notebook paper and/or graph paper

Calculator

I have classroom calculators (scientific and TI -84 Plus) so the purchase of a calculator is not necessary; however, a graphing calculator is a wonderful investment for future math classes. I recommend to students the purchase of a TI-nSpire (not the CAS version) or a TI-84 Plus. Please feel free to contact me with any further concerns/questions. There are also some really great smart phone graphing calculator apps that students can use in and out of class as well; however, on tests and quizzes, phone calculators will not be allowed.

Text

Dengler, David, et al. *Integrated Math II: 3rd Edition*. Pittsburgh: Carnegie Learning, 2013

Students will be given the pages necessary out of the student textbook to put in their binder and use as notes; the student text is like a workbook and is consumable.

Course Requirements (Assignments, Attendance, Tardies, Discipline, etc.)

Act responsibly

Take responsibility for your person, your surroundings, and your words and actions.

Come prepared to learn

Come to class prepared with all materials. Expect to work hard, think hard, and focus on understanding and mastery of the material.

Do your own work

Both Mrs. Hansen and Highland High School expect academic honesty from all students. All work must be your own. Plagiarism in any form, including but not limited to copying, cheating, or stealing will be treated as a serious offense. The first offense warrants parental and administrative involvement, and will result in disciplinary action up to and including a zero score on the assignment.

Electronics

Cell phones are allowed in class; however they **must be used responsibly**. Texting, tweeting, snapchatting, etc. should not be happening in class at all, and cell phones must be **silent**. If cell phones become a distraction in any way, they will be taken away from the student and returned at a later time. Students are also not allowed to be listening to music during class time, unless special permission is given.

Grading Procedures

Late work

Late work will incur a 50% deduction from the student's grade on that assignment.

Unit test and quiz point recovery

Unit test retakes will occasionally be offered for Secondary Math II. There will be daily quizzes on the content standards taught the previous class day, called "content mastery quizzes," that are weighted as 50% of a student's grade and retakes will be allowed on those up to 5 times total during a particular quarter.

Absences

It is the student's responsibility to see the teacher, other students, Mrs. Hansen's website to make up tests, quizzes, assignments missed during an excused absence. Unfortunately, it is Highland High School's policy that if an absence is not excused, work may not be made up.

A student has **one calendar week** to make up tests, quizzes, and assignments missed during an excused absence. After that time, the work is considered late. In the event of a prolonged absence, the student's parent or guardian should contact the teacher to arrange an appropriate due date for make-up work.

Extra credit

Extra credit will also be available on occasion throughout the term and must be completed in the timeline described. *Extra credit will **not** be given at the end of the term to make up credit from missing assignments or failed tests/quizzes.*

Grading scale & weighting

Final grades will be calculated on the scale below and weighted into the following categories:

A: 94-100	50%	Content Mastery Quizzes
A-: 90-93	20%	Unit Tests
B+: 87-89	10%	Assignments
B: 83-86	10%	Reflections & Summaries
B-: 80-82	10%	Classwork
C+: 77-79		
C: 73-76		
C-: 70-72		
D+: 67-69		
D: 64-66		
D-: 60-62		
F: 0-63		

Disclosure Statement for Mrs. Hansen's Secondary Math II Class

Fill in the following information after going through this disclosure, and turn into Mrs. Hansen

As a student: It is your responsibility to come to class prepared, on task, work hard, and let other learn.

As a parent: It is your responsibility to support your student, the teacher, and help reinforce the great importance of education.

As a teacher: It is my job to make sure your student receives a good education in a safe environment. I am also available to help with any needs or concerns.

Students Name (printed): _____ Period _____

Signature of student: _____ Date _____

Parent/Guardian Name (printed): _____

Signature of Guardian: _____ Date _____

Best day time phone number* _____

please list a phone number where you can be contacted the easiest from 7am-3pm

Language(s) spoken at home _____

Any other items/issues I should be aware of

Thank you so much, I look forward to getting to know you better this year!

Mrs. Hansen
Room D317