

Secondary Math Two

Westlake High School
Room C137

Mrs. Jen Boucher

Email: jboucher@alpinedistrict.org

www.jenboucher.weebly.com

Secondary Math 2 will focus on quadratic expressions, equations, and functions, extend the set of rational numbers to the set of complex numbers, link probability and data through conditional probability and counting methods, study similarity and right triangle trigonometry, and study circles with their quadratic algebraic representations.

The Rules

Be Respectful
Be Responsible
Be Present

Supply List

- *Pencil & Paper
- *3 ring binder
- *Dry Erase Marker
- *Graphing Calculator

(I use a TI-84+. They can be rented from the school if you wish.)

Cell Phones

Cell phones must be put away during instruction and activity time. They may be permitted to listen to music during individual work time.

Grade Breakdown

Grades are earned NOT given!
Assignments: 30%
Tests and Quizzes: 65%
Participation: 5%

Grading Scale

A	93-100%	B-	80-82.99%	D+	67-69.99%
A-	90-92.99%	C+	77-79.99%	D	65-66.99%
B+	87-89.99%	C	73-76.99%	F	Below 65%
B	83-86.99%	C-	70-72.99%		

Math Lab

There is an after school-tutoring lab available for extra help and students who are struggling are encouraged to attend! Dates and times to come.

Cheating

A zero will be given for any assignment where cheating takes place. Copying homework, quizzes, or tests are all considered cheating. No retake option available if caught cheating!

Office Hours

I will be in my classroom every Wednesday and Thursday from 2:15 to 2:45. Or by appointment.

Retake Procedures

A max. of 1 test may be corrected per quarter. Students can earn 50% back on the problems they missed for the test that they fix. Extra credit will be offered for not remediating a test for the quarter.

Policies

- *HW completions scores are due the day after they are assigned and cannot be made up.
- *HW will be officially graded on the day of the unit test and scored. The dead day for the unit is 1 class period after the test. HW can be checked by the student throughout the unit.
- *If you are absent the day of a test you must take it the first day you return, and therefor will miss the next unit lesson.
- *Reviews are a privilege and if you are absent the day of a review, you are still required to take the test the day it is given.

For a more detailed version of my disclosure, please visit my website! Here's to a good year!

Course Syllabus

Secondary Math 2 will cover the following topics (not an inclusive list):

- Order of operations, Solving basic functions
- Parallel lines and transversals, Angle relationships
- Classifying Real Numbers, Simplifying Radicals
- Distance, Midpoint, Slope formulas, Parallelograms
- Central Angles, Inscribed Angles
- Circumference, Area, Arc Length, and Sector Area
- Radians, Arc Length, Sector Area
- Tangent Lines, Secant Lines, Circumscribed Angles
- Pythagorean Theorem with Tangent lines
- Triangle Sum Theorem, Isosceles and Equilateral Triangles
- Midsegment
- Similarity, Dilations, Scale Factor
- Triangle Similarity (AA, SSS, SAS) Informal proofs
- Other Triangle Properties
- Sine, Cosine, Tangent. Rationalize the denominator
- Find missing sides and angles using trig
- Solving the triangle, trig word problems
- Pythagorean Identity
- Distributing, Factoring, Add/Subtract Polynomials
- Factoring Quadratics
- Properties of Exponents
- Imaginary Numbers
- Solve Quadratics by Factoring
- Solve Quadratics by Completing the Square
- Solve Quadratics by using the Quadratic Formula
- Graphing Quadratics
- Modeling with Quadratics
- Functions and Transformations
- Absolute Value Functions
- Piecewise Functions
- Volume
- Probability using 2 way tables
- Equations of circles
- Graphing circles
- Graphing quadratic inequalities

Signature Page:

I have read Mrs. Bouchers disclosure for Secondary Math III Lite. By signing below, I certify that I agree to abide by its' contents. I understand that it is my responsibility to communicate with Mrs. Boucher to request additional help and any concerns that arise. Mrs. Boucher will do her best to provide a quality learning experience, but it is ultimately my responsibility to do all that I can to master the course this year.

Student Name: _____

Preferred Name (if different): _____

Class Period: _____

Student Signature: _____

Parent/Guardian Name: _____

Parent/Guardian Signature: _____

Please Circle Best Way to Contact You (parent):

Phone: _____

Or

Email: _____

Anything I should know about your student:

Here's to a great year!