

Course Syllabus: Precalculus
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Prerequisite: Grade of C or better in Algebra II or Advanced Algebra II and teacher recommendation.

Required Text: Precalculus with Limits, Ron Larson

Course Description: This course meets UC/CSU and District requirements for A-G math credit. This course is designed to provide a comprehensive study of functions, which are the basis of calculus and other higher mathematics courses. The students will study the properties and graphs of trigonometric, polynomial, rational, inverse, exponential and logarithmic functions in the first semester. During the second semester, the students will explore inequalities, polar coordinates, complex numbers, conic sections, matrices, vectors, sequences, series and limits. Specific topics to be covered in depth are listed in the VMHS Math department's approved timeline below.

Fall Semester	Spring Semester
Ch P Review Prerequisite Material	Ch 4 Trigonometry
Ch 1 Functions and their Graphs	Ch 5 Analytic Trigonometry
Ch 2 Polynomial and Rational Functions	Ch 6 Law of Sines, Law of Cosines, Vectors
Ch 3 Exponential and Logarithmic Functions	Ch 9 Sequences, Series, Probability
Ch 8 Matrices (if time permits)	Ch 10 Analytic Geometry in Three-Dimensions
Ch 11: Limits and Introduction to Calculus	

Grading: 80% of the final grade in Precalculus will be based on common benchmark quizzes, tests, and final
20% of the final grade in Precalculus will be based on assignments, warm-ups, projects, etc.

Notebook binders should be organized. Notes in *Cornell Style* are a simple way to record what you have learned in and will help with your assignments and preparation for the test. A *complete* and *on-time* assignment must be stamped or signed by teacher the day after it has been assigned-- based on completion. Students will check their answers to daily assignments (class work/homework) using the provided solutions. The assignments will later be collected and graded based on effort and completion. Students keep notebook, assignments, and quizzes in their notebook binder until submitted at the end of the chapter as a packet on the day of the test. *No late assignments* will be stamped or signed by teacher but may be submitted in the packet. Each assignment will receive points as follows:

5 pts = On-Time, Complete (with work shown), Corrected
3 pts = On-Time, 60% Complete or Weak/No Corrections
0 pt = Less than 50% Complete.

Periodically, grades will be posted on the board by student ID numbers (to protect right to privacy) and on ABI as well. The standard grading scale will be used:

100-90%	89-80%	79-70%	69-60%	59-0%
A	B	C	D	F

Hall Passes: Students must have their ID card, teacher's permission and a hall pass if out of class during assigned class time. Students being requested by the office will be sent an office call slip. Students are not to be released without a pass.

Suggested Supplies/Format: pencil, eraser, lined paper, graph paper, ruler, binder, college-ruled spiral notebook or composition book. Please keep all of your work (assignments, warm-ups, quizzes, etc) organized and bring it to class every day. Bottom line: be sure that you can find your work whenever you need to. Also, make sure you include your first name, last name, class name, period #, and date on all assignments. A college-ruled spiral notebook or composition book for taking notes is strongly recommended. In doing so, daily lecture notes will remain organized and sequential for your benefit. Your binders and notebooks will be quality work, organized and complete. A scientific calculator is highly recommended and can be used on most assessments.

Attendance: If you are absent, it is ***your responsibility*** to find out what you have missed by checking my website, asking a friend, or contacting me in person or by email. If possible, contact me as soon as you know you will be missing class and we can keep you up to date with assignments. We can also set times for any make-up tests or quizzes which are typically given on the day of your return. You can do so by way of **email** at vsather@murrieta.k12.ca.us or by **voicemail** at **894-5750 ext. 6561**. On the day of your return, please see me before school or before class to get caught up (even if that period does not meet that day). Remember that missing just one block day can put you far behind. Please note that **ONLY WORK MISSED DURING EXCUSED ABSENCES CAN BE MADE UP**.

Promptness: Students are expected to be in their seats at the bell ready to work each day. Tardy students must have a pass, and will be expected to follow VMHS's tardy policy as outlined in the student handbook. Tardy students will also not be permitted to make up the daily warm-up points, regardless of whether or not their tardy was excused.

Citizenship/Classroom Philosophy/Expectations: All students and staff demonstrate **CLASS.....that's Character – Leadership – Attitude – Scholarship – Service**. Every student deserves the right to an education free of interference and therefore any actions or behavior causing disruption to that education will not be tolerated. Our class time is very valuable and will not be wasted on behavioral problems. With this in mind, every student while in our classroom must adhere to the expectations and policies below. All Broncos will...

- | | | |
|-----------------------|----------------------|--------------------------------|
| -Be Prepared | -Be Responsible | -Be a Leader and a Team Player |
| -Show Respect | -Communicate Clearly | -Stay Organized |
| -Produce Quality Work | | |

Specific Behavior Policies:

1. Be in your seat with materials out and ready to work when the bell rings. See Promptness above.
2. Bring the required materials to class every day.
3. Follow all directions quickly.
4. Do not interrupt when someone else is speaking.
5. No food, drink, candy or gum. A water bottle with water is the only exception.
6. The bell does not dismiss the class. Students will be dismissed by the teacher once the room is in order.
7. Electronic device will be used for educational purposes at time during the course. When students are allowed to use electronic devices, VMHS policy must be followed. Inappropriate use will result in confiscation per VMHS school policy. Refer to your student handbook.

Your success in the classroom is dependent on your success with the material as well as with your compliance to the preceding classroom expectations and policies. Please know them well and speak with me about them if there is a problem or need for clarification. **Any infractions of the preceding expectations and policies will be dealt with at the teacher's discretion.**

-----*RETURN TO MATH CLASS*-----

Keep the informational portion of this handout for your own records--detach and return this completed page only

Signatures:

We have read this syllabus **together** and agree to the classroom guidelines and policies.

student's name--PLEASE PRINT

student's signature

date

parent's/legal guardian's name--PLEASE PRINT

parent's signature

date

Contact Information:

In order not to interrupt class time, please feel free to email me any time or if you'd rather call, please do so before 7:30 in the morning or after 2:30p.m. Please indicate when it is possible to reach you at each number.

parents' email address(es)....please print your name above each address so I know who I'm contacting

work phone number

good time to call this #

work phone number

good time to call this #

home phone number

good time to call this #

cell phone number

good time to call this #

Last Year's Information:

Please be accurate with the grades. We need to make sure you are in the correct class.

name of math class last year

school name
(if not VMHS)

teacher name

Fall Grade:____Spring Grade:_____

If you took math in summer school this past summer please tell me about it below: