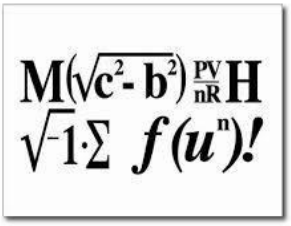


# Welcome to Precalculus!

## Keys to Success in Mrs. Butkovich's Classroom

**Contact Information**

room: 214
email: jbutkovich@bealcityschools.net
phone: (989) 644-3944 ext 2214 (prep time 9:59-10:49 am)
other contact: Facebook, Twitter, Remind

**Course Description**

1 credit
*Prerequisite: Algebra II*
Precalculus is the preparation for calculus. The study of the topics and concepts in precalculus will deepen students' understanding of algebra and extend their ability to apply algebra at higher conceptual levels. Functions and trigonometry will be covered in depth and topics such as linear programming, conic sections, the unit circle, trig graphs, and trig identities will be introduced.

**Class Expectations**

1. Respect others
2. Bring all materials to class (book, notebook, PENCIL, completed assignment)
3. Use appropriate language at all times.
4. Follow all rules in the student handbook
   i.e. cheating/tardies/food/drink/cell phones/dress code/etc.

**Consequences**

1. Verbal warning
2. Action Plan/Parent Contact
3. Referral to Mr. Boyer (severe disruptions may lead directly to a referral)

## Required Materials

**Beal City Public Schools provides all necessary materials and supplies for curricular classes. Parents who wish to supplement these materials and supplies for their student in this class may consider purchasing the following:**

- a notebook or binder that can be made into three sections and used only for math class
- a pencil
- a graphing calculator would be helpful, but is not required (we will work mostly with a TI-84 Plus CE, but a TI-83, TI-84, or TI-*n*spire can also be used for most of the topics we will cover)

## Classroom Calculators

If a student does not have his/her own graphing calculator, a classroom TI-84 Plus CE will be assigned to the student for use during class time. Each student is responsible for his/her assigned calculator during the class and returning it after the class period. There are calculators available in the media center for overnight check-out. Free graphing calculator apps can also be found on the internet, smartphones, tablets, etc. Calculators may also be used during lunch or before and after school in Mrs. Butkovich's room.

## Grading Procedures

ALL MATH ASSIGNMENTS ARE TO BE COMPLETED IN PENCIL!

- **Daily work/Homework Quizzes**
  Daily assignments are expected to be completed each night and will be discussed the following day. Homework quizzes will be given 2 or 3 times per week and will not necessarily be announced ahead of time. On days of homework quizzes, homework will be collected as well. Each collected assignment/quiz will be worth 5 points, with 2 points given for a completed assignment, and 3 points available on the homework quiz. Review assignments may also be collected for 5-10 points based on completion or random checking of answers.

- **Quizzes**
  Quizzes will be used sparingly in this class. When quizzes are given, they will be worth between 5 and 25 points and will be announced ahead of time.

- **Tests/Special Assignments/Projects**
  Each test following a full chapter will be worth 100 points. Tests will cover material from class notes, homework, and quiz problems. Each test will be cumulative, meaning that information from previous chapters will be seen on each test. The portion from previous chapters will be

worth 20% and the current chapter information will be worth 80% of the test grade. Students will have the opportunity to improve past test scores by scoring higher on "old" material on future tests. Special assignments and projects will be discussed throughout the semester.

- **Notebook**
  The notebook is to contain three different sections. A three-subject notebook or a binder or folder with tabs may be used. The first section is for opener problems, the second section is to be used for class notes, and the third section, or journal, is to be used for in-class activities. Each entry into any section of the notebook is to contain the date of the assignment or notes. The notebook will be checked once each marking period and will be worth 25 points.

- **Extra Credit**
  Many in-class games, contests, and activities will have an extra credit reward. Extra credit can also be earned through the problem of the week. No additional extra credit will be available.

## 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+ | 0-59 | E |

## Semester Grade

The semester grade will be 40% from the coursework throughout the 1st marking period, 40% from the coursework throughout the 2nd marking period, and 20% from the exam. This course will have two exams (January and May).

## Classroom Procedures

- **Entering the classroom**
  Students are to come into the classroom quietly: sharpen pencils, check the assignment sheet, check the "out" box, retrieve calculators, and check the agenda. If openers are first on the agenda, students are to begin working on them when the bell rings.

- **Late Work**
  All assignments are due on the announced date when the bell rings. Assignments will be accepted up to one day late (at the bell) for half credit, but will not be accepted after that.

- **Homework Coupons and Late Passes**
  Homework coupons and late passes may be earned throughout the year for a variety of reasons. Homework coupons can be used as full credit in place of a homework assignment (cannot be used on substitute teacher or study guide/test review assignments). Late passes allow an assignment to be turned in one day late for full credit or 2 days late for half credit.

- **Pencils**
  All math assignments are to be done in PENCIL!! If a student does not bring a pencil, he/she may buy one from Mrs. Butkovich for $.10 or borrow one after giving collateral. **Assignments not done in pencil will not be given credit.**

- **Problem of the Week**
  Each Monday, a new problem will be posted. Any student solving the problem should write a complete solution and hand in to Mrs. Butkovich by the end of class on Thursday. The first correct solution received from each class will receive 3 extra credit points. Winners will be announced in class on Friday. The same student may not win the problem of the week more than twice per marking period.

- **Absent Students**
  Attendance is a key to being successful in this class! Come to school and be ready to learn! You do NOT want to be in a situation where graduation is in question at the end of the year!

  Students who are absent are expected to check the posted assignment sheet for what was missed. If a worksheet was assigned during the absence, a copy for the student may be found in the "OUT" box. Opener problems, notes, and in-class activities must be attained from another class member. Absent students are still responsible for keeping up with notebook activities! All work during absent days is expected 1 day after return (or 1 day per day missed). Arrangements must be made to make-up any quizzes or tests outside of class time. Deadlines for making those up will be posted.

  Students missing class for school-sponsored activities such as field trips or sporting events MUST contact Mrs. Butkovich prior to the absence to receive assignments. All regular deadlines apply and students will not receive extra time for making up work. When you are gone for a school-sponsored activity, it is considered that you are not actually "absent".

  Students who are suspended will be given all make-up work upon request or upon return, and will receive 50% of the credit earned for the daily work given on the days of the suspension. This includes homework assignments/homework quizzes and notebook entries. Chapter quizzes, tests, and projects can be made up for full credit outside of class time by making arrangements with Mrs. Butkovich.

- **Additional help**
  Mrs. Butkovich will be available for tutoring or questions before school, during high school lunch, and after school if prior arrangements are made. Come in for help before it is too late! Any students who have dual time during third hour are free to come in for tutoring during my prep period (a heads-up is greatly appreciated!).

- **Class dismissal**
  Students are expected to be engaged in class until Mrs. Butkovich signals that class is over. All students should be in a desk until dismissed. Students are not to line up by the door.

**Class Content**

We will be covering the following topics in Precalculus:

1. Linear and Quadratic Functions
2. Polynomial Functions and Inequalities
3. Functions
4. Conic Sections
5. Exponents, Exponential, and Logarithmic Functions
6. Trigonometric Functions
7. Trigonometric Equations and Triangle Trigonometry
8. Trigonometric Identities and Formulas
9. Polar Coordinates, Vectors, and Matrices

# Let's have a great year!
# GO AGGIES!