

***"Truth in Mathematics means consistency"***

Math Department  
Colony High School

Mrs. Settle (861-5454)  
Amanda.Settle@matsuk12.us

## Pre-Calculus

### I. CLASSROOM BEHAVIOR/CITIZENSHIP

- A. All work in this class is to be done by the next class period unless instructed otherwise
- B. Common courtesy and appropriate behavior is expected from all.
- C. Come to class with all necessary materials (pencil, paper, text, calculator)
- D. Cheating will not be tolerated. This is grounds for loss of credit.
- E. **All** mathematical computations are to be visible on all homework quizzes, and tests or credit may be withheld. Show work.
- F. Tardies are not acceptable. See school policy.

### II. STUDENTS WILL HAVE THE OPPORTUNITY TO LEARN:

#### Semester 1

- A. Solve a variety of problems for which linear or quadratic functions are models.
- B. Solve polynomial equations and interpret the graphs of polynomial functions.
- C. Solve and graph systems of linear and polynomial inequalities.
- D. Define a function and combine various functions in different ways.
- E. Use the laws of exponents and logarithms in a variety of applications.
- F. Identify an arithmetic or geometric sequence and find the sum of finite series.

#### Semester 2

- A. Evaluate and graph the trigonometric functions.
- B. Solve trigonometric equations and use them in a variety of applications.
- C. Find the unknown sides or angles of a triangle.
- D. Derive and apply the trigonometric identities and the addition formulas for sine, cosine, and tangent.
- E. Evaluate limits and apply to the tangent line and area problem

### III. DAILY ASSIGNMENTS

Assignments will consist of homework, class exercises, group work, and projects.

- A. There will be daily homework assignments given. Homework is not optional--it is required. If class time is given to work on assignments, the expectation is that class time is used to complete the assignment or to work hard towards completing the assignment.
- B. We will also have a **gate** each semester that must be passed with a 100% or you will receive a 0. First semester the gate will be on solving equations and second semester will be trig wheel.

### IV. MAKE-UP WORK

It is your responsibility to find out and make up any work missed due to an excused absence. Please look in at the assignment calendar and **on my website** to find out the assignments. Missed tests and quizzes must be made up outside of class and ahead of time unless otherwise arranged. Failure to do this will result in a zero.

**Due dates are final.**

## V. GRADING SYSTEM

### GRADING SCALE:

- A = 90% and above
- B = 80%-89%
- C = 70%-79%
- D = 60%-69%
- F = less than 60%

### GRADE BREAKDOWN:

- Assignments 30%
- Assessments 70%

There will be frequent assessments including chapter tests, weekly quizzes, projects, and semester finals.

## VI. OFFICE HOURS

I will be available before school and after school by appointment. Make good use of advisory. Test study sessions will be announced when they become available. Your grade is your responsibility.

## VII. MATERIALS REQUIREMENTS

1. Notebook and paper
2. Pencils (it is recommended that work be done in pencil)
3. **Precalculus with Limits** Houghton Mifflin, 2001 3rd edition (check out in library)
4. Graphing calculator (I use a TI-84 plus, the library has them for check out)
5. Graph paper
6. 2 Dry erase markers

### Tips for success in Precalculus:

- **Stay caught up on assignments.**
- **Learn to use your graphing calculator.**
- **Attend all review sessions.**
- **Ask questions immediately.**
- **Involve yourself in class discussions.**
- **Get in a study group.**

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**“Do math and you can do anything”**

**Colony High School Math**

**Student/Parent Signatures:** Please detach this portion and return it with parent/guardian signature.

*I have read the attached syllabus and understand what is expected of me in this classroom.*

\_\_\_\_\_  
Student Signature

\_\_\_\_\_  
Student Name Printed

\_\_\_\_\_  
Date

\_\_\_\_\_  
Parent Signature

\_\_\_\_\_  
Parent Name Printed

\_\_\_\_\_  
Date

What is the best way to contact you if the need arises?

\_\_\_\_\_  
Parent e-mail (please print)

\_\_\_\_\_  
Phone number

**Please sign up for Iparent. Contact the front office if you need to sign up.**