



# Zion Chapel

## HIGH SCHOOL

### PRE-CALCULUS

**Teacher:** Courtney Davidson    **Teacher Email:** [davidsonc@coffeecounty.k12.al.us](mailto:davidsonc@coffeecounty.k12.al.us)

**Course Description:** Pre-Calculus, as its name indicates, is designed to prepare you for Calculus, either in high school or college. Topics include understanding algebraic and polynomial functions, exponential and logarithmic functions, and conic sections. Students will also study applications of trigonometry, trigonometric identities and equations, mathematical induction, and the concept of limits. In addition to content mastery, the course goals are to further develop students' problem solving and critical thinking skills. The difficulty level of the material increases significantly throughout the semester. Students should be prepared to be challenged and work hard. Technology will be incorporated throughout the curriculum.

**Course Objectives:** A full list of course standards can be found at:  
<https://www.alabamaachieves.org/wp-content/uploads/2021/03/2019-Alabama-Mathematics-COS-Rev.-6-2021.pdf>

**Supplies:** Pencils, erasers, calculator (graphing or scientific), loose-leaf notebook paper, graph paper, binder (can be shared with other classes if you choose)

**Course Resources:**

- ❖ Pre-Calculus Textbook: Blitzer, R. (2018). *Pre-Calculus* (6th ed.). Pearson.
- ❖ Delta Math Software (deltamath.com) - skills practice website
- ❖ Google Classroom - post notes/assignments, list of make-up work
- ❖ Power School Website - access to student grades
- ❖ Pearson Website - skills practice website (aligned with textbook)

**Classroom Expectations:**

- ❖ Follow all Coffee County and Zion Chapel school rules.
- ❖ Be on time and prepared for class each day.
- ❖ Be an active learner, participate, and follow our classroom procedures and routines – Bellwork, Lesson Activities, etc.
- ❖ Show respect. Expect respect in return. This includes yourself, others, your teacher, and the classroom equipment/supplies.
- ❖ Keep your hands and feet to yourself. No horseplay.

**Progressive Discipline Plan:** This classroom is a learning environment. Behavior that interferes with that learning will be dealt with in the following manner.

- ❖ Incident 1 – Verbal Warning, possible student conference
- ❖ Incident 2 – Break Detention, student conference, possible parent contact
- ❖ Incident 3 – Break Detention (2 days), parent contact
- ❖ Incident 4 – Office Referral

Defiance, profanity, violence, or threatening behavior will result in an immediate office referral without any warning.

**Hall Pass Policy** Students are encouraged to use the restroom before school. Of course, there will be instances where a bathroom pass is necessary. Students will have passes out of the classroom that can be used in these situations. It is unlikely that passes will be given to go anywhere else during class time.

**Make-Up Work:** It is the student's responsibility to gather and complete make-up work. A list of daily assignments and notes will be posted on Google Classroom. Paper copies of work will be put in the class folder on the wall. Students are given 3 school days to turn in missed assignments. If you need additional time, please speak with your teacher within the three day period.

**Grading Policies:** **Grading System:** Your overall grade will be based on the Coffee County grading scale. Assignments will be given a point value and put into the following weighted categories:

- Assessments – 60% (tests, quizzes, large projects, etc.)
- Daily Work – 25% (classwork, homework, small projects, skill practices)
- Nine Weeks Exam – 15%

**Grade Improvement & Extra Credit:** Your grade will be based on your mastery of course standards. Extra credit is not provided, but you may retake one assessment each semester for 90% credit. Before a retake is permitted, you must show that you have done additional prep with the material. Discuss your options with your teacher. An assessment retake will be similar to the original test but not the same. This is an honors course so retakes should not be a regular need of students. Any additional retakes will be at the discretion of the teacher and in coordination with administration.

**Late Work:** The final day to submit any assignment for a unit is the date of the unit test. No assignments will be accepted after that date without a discussion with school administration.

**Homework:** Students will be given “Check Your Understanding” questions with each lesson. It is strongly encouraged that students complete these problems to help them prepare for tests and quizzes.

**Struggling Students:** Each week, help hours will be posted. These days and times will vary from week to week. Get help immediately as soon as you see that you are struggling.

**Academic Integrity:** Cheating and/or copying others' work will not be tolerated. A zero will be given and disciplinary action may be taken based on the school handbook.

**Changes to Syllabus & Classroom Policies** The teacher reserves the right to make changes to this syllabus. Students will be notified when this occurs. Exceptions to classroom policies will be made at the discretion of the teacher. No exceptions will be made to Coffee County Board Policies or ZC School Rules.

**Signature Section** A digital copy of this syllabus can be found on the Google Classroom Page and on the school website. Please sign below and return this page to your teacher.

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

Parent/Guardian Signature \_\_\_\_\_