

CP Pre-Calculus 2011-2012

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Text: Advanced Mathematical Concepts, Glencoe.

Course Content, Objectives, and Goals:

- Pre-Calculus offers a comprehensive study of trigonometry, a Pre-Calculus and mathematical analysis approach to functions and analytic geometry, and an introduction to calculus.
- The first semester will cover the nature of graphs and trigonometry.
- The second semester will cover sequences and series, conics, exponents & logarithmic functions, and an introduction to calculus through limits and derivatives.
- The objective is to provide the foundation necessary to be successful in Calculus and math at the college level.
- My goal is that you learn the material and that you leave this class with confidence in your math and thinking skills.

Behavior Expectations:

- **Practice and live by the virtues of courtesy, graciousness, and reverence.**
- Be respectful of other people as well as school and personal property. All of us have the responsibility to ensure that a proper learning environment is maintained. There will be no tolerance of any disrespect toward another student, a teacher, or a member of the PVI community.
- **I value honesty and truthfulness. You begin the year with my full trust.**
- Be on time for class and ready to work in your seat when bell rings.
- Come to class fully prepared each day with textbook, notebook, calculator (**TI 83 or 84 graphing calculator required**), homework assignment, paper, and at least two pencils. All work is done in pencil.
- Be in the proper uniform when you enter the classroom.
- **Personal integrity and respect requires attention to detail and to meeting deadlines.**

Academic Expectations:

- My role is to assist in your mathematics education. Your success will be a direct reflection of the effort you put forth. I do not give a grade. You earn the grade.
- Enjoy learning mathematics. It is your key to success.
- Because each day's lesson builds on the previous day's learning it is essential that students attend class every day to fully understand the work. For occasional unavoidable absences, the student is responsible for obtaining class notes and completing the missed assignments.
- This is a fast-paced college-prep math course. Some sections will be required periodically to read the text and solve problems without prior classroom explanation.

Attendance: "Should a student accumulate six (6) or more class absences per quarter in any given course, he/she may receive a **failing grade** for the quarter." (PVI Handbook, 2011-2012, page 19).

Daily Routine: The daily class routine usually consists of the following: Prayer, warm up/ homework review and check; introduction of new subject material; new homework assignment. You will not be excused to go to your locker, restroom, or clinic, except in the case of an emergency.

Notebook:

- The notebook is to be kept in a **three-ring binder** and should be divided into sections for each chapter
 - notes for each lesson followed by the corresponding homework & classwork for each lesson
 - followed by quizzes and tests

Homework:

- Homework is assigned every day. Each assignment should take approximately 30-45 minutes.
- All work will contain assignment date, page number, chapter-section number, and problems assigned. Every assignment is to be done in pencil with **answers circled**. Start each assignment on a new page.
- Check your answers in the back of the book. If incorrect, re-attempt the problem. Be prepared to ask questions when class begins.
- In order to receive credit for homework, you must show all your work. **Students are encouraged to work together on homework assignments, but each student must have his or her own work.** Copying another student's assignment is cheating and is a violation of the Honor Code.
- Assignments are due on the date indicated. NO partial credit will be given for late or incomplete assignments. When you are absent from class but are in school during that day you must show me your homework the day it is due. If you are absent from school for the entire day and miss homework you are allowed one make-up day for each day of absence. It is your responsibility to make up missed work.
- Homework is graded on QUALITY and COMPLETENESS. All work must be shown! A check mark indicates full credit; 0 indicates no credit. NO partial credit is awarded for homework.
- Homework not done in pencil receives a 0% grade.

Tests & Quizzes:

- Expect approximately one or two quizzes each week. Section quizzes may be given without prior notice.
- There will be a test approximately every 2.5 weeks. Students are required to create a **study guide** for each test; it is due at the beginning of the test.
- **Test corrections** are always done after each test is returned. All corrections are done on a separate sheet of paper and turned in again with the test paper. It is a required homework grade.
- Make-up tests and quizzes will be administered before and after school and sometimes during study-hall. Students will have one day to make up work for every day of absence. It is the responsibility of the student to make arrangements with the teacher. If you know ahead of time you will miss a test or quiz, you must prearrange your make-up or you will receive 0% for the test/quiz/assignment.
- During tests and quizzes the student will assume the responsibility of giving no impression that he/she is obtaining information from any source other than one's own originality or give information to others. This includes all types of communication, looking at another paper, and excessive head movements. If you have any problems during a test, communicate with the teacher only. Any departure from these conditions will result in a grade of zero percent for that test or quiz. This is a violation of the Honor Code.
- **Assignments not completed in pencil will receive 0% for the test/quiz/assignment.**

Grading: 60% Tests 25% Quizzes 15% Homework

Helpful Hints:

- Read the assignment and study the examples prior to doing the homework problems.
- Do not hesitate to seek extra help as soon as you feel that you do not understand the material. I am available most days before and after school. You should try to let me know the day before you would like to stay for help.
- Sometimes even a five minute 1-on-1 conversation can clear up a problem.
- Getting more than 20% of the problems wrong on the homework is a sign that you may not understand the material.

I have read and understand the class policies stated above and agree to abide by them.

Student Signature

Date

Parent Signature

Date