

CLASS REQUIREMENTS FOR PRECALCULUS

Mrs. Carol Johnson
Cell: 925-360-1702
Home: 925-687-7295
cjohnson@bereanchristian.com
carolleejo@gmail.com
Pers. 2 & 4

COURSE OBJECTIVES

Precalculus is a college-preparatory course that aims to develop graphical, algebraic, and computational understanding of a variety of functions with emphasis on exponential, logarithmic, power, and trigonometric functions. Discernment of appropriate methods is emphasized through application to problems and real life mathematical situations. Many of the topics are reviewed from Algebra II/Trig in order to prepare students for Calculus, but the topics are covered more in depth.

COURSE OUTLINE

Upon completion of the course, the students will

- A. Graph trigonometric, circular, rational, exponential, vectors, conic, and
- B. Polynomial functions
- C. Solve trigonometric and circular equations
- D. Apply circular, conic, and vector functions to real world situations
- E. Apply probability to real world situations
- F. Recognize and use formulas for both geometric and arithmetic sequences
- G. Determine the rate of change of an object
- H. Translate and dilate functions

Textbook: **Precalculus with Trigonometry**

Publisher: Key Curriculum Press

Author: Paul A. Foerster

Copyright: 2007

HOMEWORK

1. There will be nightly homework (except holidays, meaning Thanksgiving, Christmas, and Easter) to have ready for class the following school day. Each assignment will be numbered and the number needs to be at the top of the assignment.
2. Homework will be gone over in class the following day. All corrections must be made in red pen or else points will be deducted. All homework must be done in pencil or points will be deducted.
3. Homework will be picked up a few times a week to see if a student is doing their homework. The homework will be given 0 to 5 points. 0 points will be given if the homework is not turned in or if very little of the homework has been attempted. 1 to 5 points will be given depending on how much work is done. At the end of the quarter a homework percentage will be calculated based upon how many points were received divided by the total number of possible points. No late assignments will be accepted.
4. Students are responsible to make up all assignments when they are absent. If a student is absent one day, he or she has two days to make up the assignment. (I will not come after you for absent work, it will be your responsibility to get it to me.)
5. Do your homework nightly and keep an organized notebook! Once you get behind, it is nearly impossible to catch up.

TESTS AND QUIZZES

1. Quizzes will be given on a weekly basis covering recently covered material.
2. Chapter tests will be given at the end of a chapter. Each test is equivalent to two quiz grades. A major cumulative exam will be given at the end of each quarter. This exam will be the equivalent of 4 to 6 quiz grades or approximately 20-25% of the quarter grade. Every test and quiz will be graded on a curve.
3. There will be no make-ups for quizzes or tests missed due to an excused absence. Instead for any quiz missed during a marking period the next test grade will fill in for the quiz grade and for any test missed, the quarter exam grade will fill in for the test grade. If a student knows they will be absent they may take a quiz or test in advance.
4. If a student has an unexcused tardy or absence for class, a 0% will be assigned for any quiz, test, or homework turned in that day.
5. If a student is caught cheating or aiding someone in cheating, a 0% will be

- assigned for the grade and they will also receive demerits.
- Every quarter a student is allowed to drop their two lowest quiz grades or the equivalent. Any test or quiz which received a 0 % for cheating, an unexcused absence, or a tardy, will not be dropped from the grade.
 - Notebooks will be collected at the end of each semester and will be assigned a percentage, which will be calculated into the grade as a test.
 - Be sure to save all tests and quizzes. They will be good study guides since problems off old tests and quizzes can be put on major exams.

GRADE BREAKDOWN IN %
TEST = 2 QUIZZES
HOMEWORK AVERAGE = 3 QUIZZES
NOTEBOOK = 2 QUIZZES
QUARTER EXAM = 4 TO 6 QUIZZES

99-100%	A+	73-76	C
93-98	A	70-72	C-
90-92	A-	67-69	D+
87-89	B+	63-66	D
83-86	B	60-62	D-
80-82	B-	0-59	F
77-79	C+		

WHEN YOU CAN GET HELP

- My office hours will be every day at lunch. If you need more help contact me at home no later than 9pm since I often go to bed after that. (Texting first would be appreciated to see if I am available.) If you are in desperate need of help I am available to come back in after school if you arrange it with me.
- Be sure to come in and see me as needed. I am very willing to help you in any way I can. Please do not come in at the end of a quarter for help, expecting me to teach you the entire course during lunch. Do your homework and come in and see me when necessary.

GOOD LUCK

SUPPLIES NEEDED

3 ring binder at least 1.5 in thick. **No spiral notebooks**
 binder and lots of graph paper
 red pens
 pencils
 other colored pencils or pens
 TI 84 or TI-84+ Calculator