

# Pre-Calculus and AP Calculus AB

**Mr. Carbonella****Cell:** 714-293-9668**Email:** mcarbonella@libertychristian.org**Extra help hours:** Mornings (7:30-7:50am) of Monday, Wednesday, Friday  
Afternoons (2:30-3pm) of Monday, Tuesday, Wednesday

Calculus is a fascinating world of math where you use all the previous concepts from before and use it to solve problems with unknowns and variables. This math will help you in all facets in life, and will give you a better understanding of the world around you. Trust me, when you get incorrect change from the cashier you'll thank me.

We will be covering topics that meet California State Standards as well as those found within the Liberty Christian educational guidelines. Please seek help after school, before school, or during class to achieve your best. I do not ask for perfection here, but I do ask that you apply yourself to the best of your ability. I will never compare your grades to someone else, and neither should you. It is important to be self-motivated and strong willed. God bless!

**Supplies:**

- Pencils (at least 2)
- Pens (red pen for grading)
- Paper (lined paper AND graph paper)
- Binders (three-ring binder with dividers for "notes", "quizzes", "tests")
- Notebook (70 pages; wide ruled is preferred)
- Calculator (graphing calculator not required; I recommend the **TI-30X IIS** shown to the right; needs to have trigonometric functions)

**Grade Breakdown:**

- Homework (10%)
- Assessment tests (15%)
- Chapter tests (15%)
- In-class assignments/Guided Practice (10%)
- Project (10%)
- Quizzes (15%)
- Participation (5%)
- Binders (5%)
- Final (15%)

**Homework Grading:**

Homework assignments will be given a 0, 1, or 2 based on the level of completion.

0 points – missing assignment, less than half done

1 point – more than half done, no work shown, late homework

2 points – all the work is done, work is shown

Format assignments with the following in the upper right hand corner:

- Name
- Date
- Period
- Assignment

Every problem must be numbered. Work must be shown for each problem. **Box-in your answer.** I highly recommend using pencil instead of pen because it will make your homework neater.

We will review the previous night's homework at the start of class. I will collect it then.

**Late homework** will be half credit after the first school day late. Then NO CREDIT after that.

**Absent work** will be collected by me. There will be a tray in the back where you can pick up your absent work. You will have the same number of days absent to do the make-up work.

**Extra Innings Wednesday:**

Extra Innings Wednesday is when extra credit will be posted online Wednesday afternoon and due Thursday([www.libertychristian.org](http://www.libertychristian.org) look for my homepage).

**Bellwork:**

Every day you will find an assignment on the board to do when you walk into class. Use a sheet of paper and format it like you would do for any homework assignment. This is part of your **PARTICIPATION GRADE.**

**Assessment Tests:**

These tests will be given on Friday. They will cover only the material up to that point, however you may have to use previously discussed topics to answer the questions completely. **You will only have the class period to finish the test;** no coming in during lunch or after school to finish.

It is closed book; but you are allowed to write a note sheet (front and back) with as much information as you want.

Absent – for test day. Please see me when you return.

**Chapter Tests:**

These tests will cover every topic covered in the chapter. **You will only have the class period to finish the test**; no coming in during lunch or after school to finish.

It is closed book; but you are allowed to write a note sheet (front and back) with as much information as you want.

Absent – for tests. Please see me.

**In-class Assignments/Guided Practice:**

During class we will be doing a few problems together as guided practice. Format your paper in the same way as you would homework. We will work together on solving these problems. These problems will be very similar to ones found in the homework.

Occasionally, we will do some assignments only in-class and those will count towards the in-class assignment grade. Most likely these will be assignments given on Wednesday.

**Absent** students will not need to make-up guided practice assignments, but will need to do in-class assignments. Please see me to make those up.

**Project:**

More details on this project as we get closer. It will be due the week before finals.

**Quizzes:**

These quizzes will be announced so you can prepare for them. They will only cover the most recent topics. Unless you need a chart or graph, it is **closed books and notes**. They are timed for **15 minutes**.

**Class Binders:**

You must have a three ring binder that will include a five subject divider. Here is the list of topics for your dividers:

- NOTES
- QUIZZES
- TESTS (combine both types of tests)

I will collect these at the end of each quarter. All papers must be in order by the **DATE**.

**Retests:**

There will be no re-tests for any reason. I encourage you to study hard and smart. Please see me if you do not understand a particular topic.

**The Classroom 3R's:**

- Rules
- Respect
- Responsibility

Proverbs 27:17

“As iron sharpens iron, so one man sharpen another.”

**Students with special needs**

If you have a certain disability or need special assistance in-class, please do not be anxious to talk with Mrs. Yates or me after school. We will accommodate you as best as we can.

**Classroom Rewards:**

- “Five run homer” – after five A's (92-100) on any test (assessment or chapter) you will receive an award for your awesomeness and hard-work. (examples: insta-A quiz coupon, throw-away lowest homework coupon, etc.)
- On The Wall – if you have an assignment that you think deserves to be on the On The Wall, then after class please show me.

**Math Activities:**

- ACSI Math League – more details to follow

**SAT Dates:**

<b>REGISTER BY</b>	<b>TEST DATE</b>
<b>September 10, 2010</b>	<b>October 9, 2010</b>
<b>October 8, 2010</b>	<b>November 6, 2010</b>
<b>November 5, 2010</b>	<b>December 4, 2010</b>
<b>December 23, 2010</b>	<b>January 22, 2011</b>
<b>February 11, 2011</b>	<b>March 12, 2011</b>
<b>April 8, 2011</b>	<b>May 7, 2011</b>
<b>May 6, 2011</b>	<b>June 4, 2011</b>

More information can be found on the college board website. It is also possible to register late, but there are more fees and limited places that accept late registration. Please check their website for more up-to-date information.