



Ocean City High School Summer Assignment 2022

Course	AP Calculus AB	Teacher	Dill/Rainear
Email	mdill@ocsdnj.org srainear@ocsdnj.org	Due Date	Complete on Delta Math by 8/15/22 AND hand in the hard copy of your organized work on the 1st day of school.
Standards	F-IF.1, F-IF.2, F-IF.4, F-IF.5, F-IF.6, F-IF.7		
Topic	Linear, Polynomial, Absolute Value, Radical, Rational, Exponential, Logarithmic and Trigonometric Functions, Word Problems		
Purpose	The purpose of this assignment is to refresh students' knowledge on the basic skills that are required to succeed in AP Calculus.		
Text/Novel(s) & Brief Description	DeltaMath.com Assignment		
Approximate Time on Task	Approximately 6 hours		
Suggested Timeline	Mid to late July would be an appropriate time to start. The assignment is due on Monday 8/15		
How It Will Be Assessed	Assignment is to be completed on DeltaMath by 8/15. It will be graded on accuracy and completion. This will be worth 50 points. There may be a test on this material on the first few days of school.		

Welcome to AP Calculus AB! This course will be extremely challenging and fun (based on Mrs. Dill's and Mr. Rainear's definition of fun)! The assignment is meant to refresh you in mid-summer. I know you all have scheduling constraints. But ideally, this assignment should be started late July and worked on sporadically until you finish. Please follow the instructions for each problem and show work. The August 15th deadline is a strict one, if you are late, 10% credit will be deducted for each day you are late. Enjoy your summer!

This summer package consists of FIVE online assignments that you will do through the website, DeltaMath.com so the first thing you need to do is to create a free student account.

You will be asked for a teacher code. The code is 646150.

You will then be asked to fill out your information (Name, email) and to select a class. The class you will select is titled "AP Calc 22-23 Summer Assignment. Again, there will be five assignments for you to complete. They are titled:

- OCHS AP Calc Summer Assignment-Factoring and Polynomials*
- OCHS AP Calc Summer Assignment-Radicals and Exponents*
- OCHS AP Calc Summer Assignment-Rationals*
- OCHS AP Calc Summer Assignment-Functions and Lines*
- OCHS AP Calc Summer Assignment-Trigonometry*

*Please complete this summer assignment to the best of your ability. It is due on Monday, August 15th. This assignment will be worth 50 points. While all problems are auto graded on DeltaMath, you **MUST** submit your **DETAILED WORK OF CORRECT AND INCORRECT PROBLEMS TO RECEIVE CREDIT** on the first day of school. (when appropriate-some problems and activities won't necessitate any work-like the timed problems).*

Like previously stated we want to see your work whether the problem was correct or not. What this means is that if for example it took you 3 attempts to get the required 2 problems correct then work should be shown for all 3-not just the correct ones.

All problems must be done neatly on notebook paper. Do not throw away your work when finished. Please bring it to class on the first day of school.

Calculators should only be used for basic arithmetic (not for graphing, solving equations, etc...)

*If you are placed properly in AP Calculus AB, these problems should be easy for you to complete. This assignment is not lengthy (should take the appropriately placed student around 6 hours), but don't wait until the last few hours of the summer to start. I also **DO NOT** recommend you start this in June. It is intended as a refresher for September, so late July/early August is a good time to complete this work.*

This material is a review of the basic skills that you are required to have mastered before this course. AP Calculus AB is a very difficult course and students are expected to be able to review pre-requisite topics on their own. If you are the type of student that needs someone to help review old topics because you have trouble refreshing yourself on the material, this may not be the course for you. The rigorous AP curriculum set by College Board does not allow for time to review any of the pre-requisite material in class. A test will be given on the second day of class on all pre-requisite material.

You will be penalized 10% of the points for every day it is late. Please email us with any questions. Sincerely,

Michelle Dill Sed Rinear

Mrs. Dill/Mr. Rinear