

Welcome to **BC Calculus AP**.

It is imperative that you do a fantastic job on the summer assignment so that we can get the proper “jump start” on the course and finish the curriculum in time for the AP exam. On the first day of school, you will be given an **open notes homework quiz (worth 64 points)**. You will be asked to record the solution to eight problems that I will select from this list below, so please show all of your work and carefully label each problem with page and problem number so that you can find them easily. Absolutely no excuses! There are many websites with tutorials, so use your resources well. Just type “*topic name* tutorial” into your favorite search engine (ex: “related rates tutorial”.) Good Luck! There are over 100 problems in this assignment so don’t try to do it all in one day.

We will start the year with the formal definition of limit, section 1.2 (p51-53). This is not an easy topic so please look it over before the first day back. –Mrs. Corboy

Section 1.3	p64-65	# 12, 22, 28, 30, 34, 43, 44, 46, 50
Section 1.4	p75-78	# 1, 8, 12, 14, 16, 22, 30, 36, 38, 42, 57
Section 1.5	p84-85	# 20, 21, 30, 32
Section 2.1	p98-101	# 3, 9, 27, 28, 29, 30, 31, 32, 33, 48, 50, 52, 58, 60, 66, 68
Section 2.2	p110-112	# 24, 30, 45, 47, 65, 72, 82, 87
Section 2.3	p121-122	# 5, 13, 19, 29, 31, 49, 54, 59, 60, 61, 62
Section 2.4	p130-132	#8, 17, 22, 28, 47, 56, 57, 60, 62, 64, 73
Section 2.5	p139-140	#4, 6, 10, 22, 46, 48
Section 2.6	p146-149	# 20, 22, 25, 32, 42, 44a
Chap. 2 Review	p150-152	# 9, 14, 20, 22, 24, 26, 32, 44, 58, 63, 65, 69

Please look ahead at chapter 3 for some of the applications of derivative. Problems from this set will not be chosen for the quiz. Attempt:

Section 3.3	p176-177	# 10, 16, 25, 29, 44, 45
Section 3.4	p184-186	# 12, 14, 18, 21, 27, 30, 34, 48, 56
Section 3.5	p193-195	# 12, 18, 20, 39