

AP Calculus Summer Assignment

Allen Park High School 2014 – 2015

Summer Assignment #1: Pre-Calculus Review

Chapter	Section and Topic	Pages	Problems Assigned
Preliminaries	1 – Real Numbers	7	3(e, f, g, h), 5, 10, 16, 18, 25, 33, 35, 40, 42, 43, 47
	2 - Coordinates and Lines	15-17	7, 15, 22, 23, 24, 27, 29, 36, 39, 47, 49, 52, 53, 56
	3 – Functions	25	1, 2, 8, 9, 10, 14, 16, 17, 27-36, 43, 45(a, e)
	Continue section 3	25	47(a, b, f, e), 51, 56, 61
	4 – Shifting Graphs	32-34	1, 2, 3, 4, 6, 8, 10, 12, 17, 18, 20, 21, 29, 30, 33, 46, 49, 55, 67, 69, 79, 80
	5 – Trig Functions	43-45	1, 2, 5, 9, 14, 31-34, 37, 39-42, 45, 47-50, 51, 55, 58, 66
	Chapter “P” Test		Done in school when we return in the fall

Summer Assignment #2: AB Calculus – Introduction Packet and Trig Review

This information comes from an AP Calculus AB preparation manual that I purchased. There are a few errors in the packet for which I not able to edit. When I find errors as I redo the assignment, I will post them on the class discussion board. This assignment will give you a basic understanding of “the derivative” and what we will begin studying in the fall. I will expect most of your discussion board questions to come from this packet. There is a lot of problem solving and is not indicative of how the daily workings of the class will be (not until we review for the AP Exam), so do not become frustrated.

Summer Assignment #3: Discussion Board Posts

3 posts/responses are required to earn a C on this assignment, 4 a B, and 6 for an A. Anything less than 3 will result in zero points for the assignment. All students are required to post a question about the summer assignment or questions about the course in general. You must post at least twice by August 15th, and the remaining must be complete by midnight on Labor Day. You may pose a question, respond to another student’s post, or respond to one of my posts to earn credit. You must provide your first and last name to every post in order to receive credit. A post of one or two words and meaningless comments do not count. “I agree” or “You are correct” are appropriate comments, but will not suffice to earn credit. These types of comments should be followed by a justification and/or a clarifying statement of why you agree or why they are correct. Questions cannot be, “How do you do number 8 on the summer packet?” You need a specific question related to number 8. I will keep track as the summer moves on. Good luck.

Email Address: tim.brown@apps.k12.mi.us

I check my email almost daily during the summer. Send me an email if you have questions.

Class Website: <http://aphsbrown.weebly.com>

Discussion Board Website: www.piazza.com

I will be continually updating my website in preparation for the next school year. I will be adding worksheets and answer keys that are appropriate for the course that will be needed throughout the year. I also check the discussion board almost daily during the summer so post your questions there.

Good Luck!

Mr. Brown