



Kittatinny Regional High School

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AP Calculus BC Summer *Work*

The text book assignment, the Review Exercises from Chapter 3 Derivatives and Chapter 4 More Derivatives, is to be completed during the summer by each student entering AP Calculus BC in September. These exercises should be done **carefully, neatly and be completely worked out** on lined paper. When in doubt, show more work than less. Graph paper should be used were applicable. In addition to the textbook, you are also responsible for memorizing the 6 trigonometric ratios for the multiples of $\pi/6$ and $\pi/4$. Two practice unit circles are included for your use. Expect a quiz in the first week on the Unit Circle. The worksheets and the assigned problems will be collected the

first day of school in September.

Exercises:

Chap 3 Review Exercises (pg. 150-153): #3, 4, 5, 7, 9, 11, 20, 21, 23, 34, 40, 43, 45, 48, 54, 55, 57, 59, 60, 61, 62, 63, 64, 65, 68 a c e, 75, 81

Chap 4 Review Exercises (pg. 189-191): #2, 4, 6, 8, 11, 13, 17, 19, 23, 25, 33, 35, 41, 44, 48, 51, 67 a c e f, 78, 82, 83

You are allowed to collaborate with each other provided everyone understands the solution when you are done. If you use any resources other than your text book and Pre-Calculus notes, **cite them**. Feel free to email me with questions and I will respond with suggestions. My responses will be more prompt in July and early August. My mid to late August is much busier.

Attached Worksheets:

Kittatinny Regional Board of Education
"Imparting Knowledge That Works for Our Children"
Sussex County's First Star School • 2005 Governor's School of Excellence

Unit Circle Worksheet (must know these by memory) – 2 sides for extra practice

Log in to **Google Classroom** & join class **by8pi5y** (2018-2019 code) and click on the link to add the Shared Google Drive for AP Calculus BC to have access to class notes, worksheets, solution sets, flash cards etc.

Check your school email occasionally. Any Questions? Email shontz@krhs.net

Have a great summer!

Mrs. Hontz