AP CALCULUS: TERMS AND CONCEPTS REVIEW BOOK 2020

\*\*This should be neatly printed in ink –do not type (unless given special permission)! Pencil may ONLY be used if pages are protected by sheet protectors (to prevent smudging). Color is strongly recommended. Bind the pages in some way – binder, notebook, etc. **Order the pages in the book the same as what is given here.** Pages need to be numbered.

**Title Page – DO NOT include your name – only the number you have been assigned**

**Table of Contents –** basically this is the topic list with the page numbers for each topic

**Pages 1 and 2**: Include a page with the derivatives (19) and a page with the integrals (18) of the basic functions that should be memorized – not the rules! Do NOT photocopy pages out of the textbook. Give these in terms of x – not u.

**Section Title Page – Each section should be separated with a title page for that section.**

**Remainder of book: Pages should be numbered and sections should be separated. Keep pages in the order that the topics are listed!!!**

Describe the procedures to do the calculus concepts given on next pages. Each topic indicates the MINIMUM that should be discussed – feel free to go above and beyond these basic requirements. These should be in your own words and how it makes sense to you. Do not simply copy from the textbook or anyone else. Include any helpful hints/reminders about the problems – this is so that you (or someone else) can easily review the material from this course and see helpful examples. Some of these will obviously contain more information than others, depending on the concept. You CAN include more than one topic per page, but do NOT exceed 4 topics per page. Do NOT write on the backs of pages, but you can put pages back to back if using sheet protectors. I suggest you use color or other “eye-popping” ways to make your topics easier to understand. Examples should NOT just be the easiest example for each type – be realistic. Examples should resemble what you typically saw as problems from these topics.

This is due *NO LATER THAN*  **Wednesday, April 15th**. You will be assigned a number, and only that number should appear on the book to identify you. Do not put your name anywhere on the book! Each student will be assigned 1 book to review between April 15th and April 17th. We will start during the class period on the 15th, but will need to be finished before leaving on Friday. Part of your project grade (10 of the total points) will be based on how accurately and timely you assessed your assigned project*.*

**The project will be graded out of 216 points. (206 pts for project itself and 10 pts for grading)**

There are 47 topics plus the derivative/integral pages. Each topic can receive a total of 4 points: **4** = great job; **3** = minor point missing or minor error; **2 - 1** = missing major part or multiple minor parts; **0** = not there or incorrect. It IS possible to earn an “extra” point for topics where you go way above and beyond the minimum requirements, so you could end with a score higher than the maximum. The derivative and integral pages are worth 4 points each. Neatness/following directions is worth 10 pts. Total points possible: 206. These *should* be graded and returned to you to review with by April 30th.

To help you not to leave the project until the last minute, we will have 3 “checks” – **10** topics will be due on **Feb 24th** , **10** “new” topics will be due on **March 6th**, and **10** “new” topics will be due on **March 20th** . These should be FINAL copies of these topics – be sure to follow all directions, include examples and include ALL of the topic that will be graded. I will grade these based on the guidelines given for each topic. The derivative/integral pages do NOT count towards these.

**This “check” quiz will be calculated in 3rd quarter grades.**