AP CALCULUS AB SUMMER ASSIGNMENT

✓ The summer work assignment is due on the first day of your AP Calculus AB class.

✓ This assignment is mostly a review of basic skills that you are expected and required to have mastered for this course.

1. Print out the Calculus Summer Packet from Jackson Website and complete it entirely.

2. In addition to completing the packet, you must complete the following lessons from the Calculus textbook. Read Sections P.1-P.3. Then complete the following questions in your notebook.
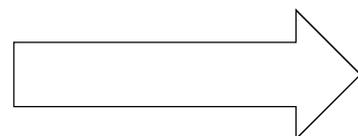
> **CHAPTER P**
> **P.1** pg 8-9 #12, 14, 22, 32-36 even, 55, 60, 64
> **P.2** pg 16-18 #10, 14, 22, 28, 38, 43, 58, 64, 76
> **P.3** pg 27-30 #6, 10, 22, 28, 31, 42, 45, 49, 50, 55-60, 75, 81

✓ The assignment is to be completed in your AP Calculus AB notebook with each question clearly labeled. Only the solutions to the graphs (grids/number lines) go directly on the packet! All other work and solutions must be in your notebook. We do **NOT** accept just answers. **All work must be shown** to receive credit for the assignment.

✓ You are to bring the completed work with you to the first day of class and your teacher will answer any questions you may have at that time.

✓ A **TEST** will be administered on the material on the **SECOND DAY** of class to determine your eligibility to remain in the course.

✓ It is **NOT** recommended you start this early in the summer. **August is a good time to complete this work.**

FRONT COVER RULES/FORMULAS

TRIGONOMETRY:
- ✓ You are responsible to have ALL Identities/Formulas memorized EXCEPT Sum-to-Product Formulas and Product-to-Sum Formulas.

- ✓ The Summer Assessment will have Formulas on it!!!

- ✓ Flash cards are recommended!!

DERIVATIVES AND INTEGRALS:
- ✓ Throughout our class you will need to memorize:

  - Basic Differentiation Rules: #1-24
  - Basic Integration Formulas: #1-20

- ✓ Start those flash cards!!!

Summer Assessment:
- ✓ You will be given a summer assessment on the **SECOND DAY** of class. Topics included will be from the summer packet as well as Chapter P.1-P.3. Also expect to see formulas from the Trigonometry Sheet in the front of your textbook.

- ✓ Recommended Graphing Calculator: **TI-84 Plus CE**

- ✓ Check my classpage towards the end of the summer for any addition information.

- ✓ Email me with any questions: tlseiler@jacksonsd.org

See you in September!!! Enjoy your summer!! :)

Miss Seiler