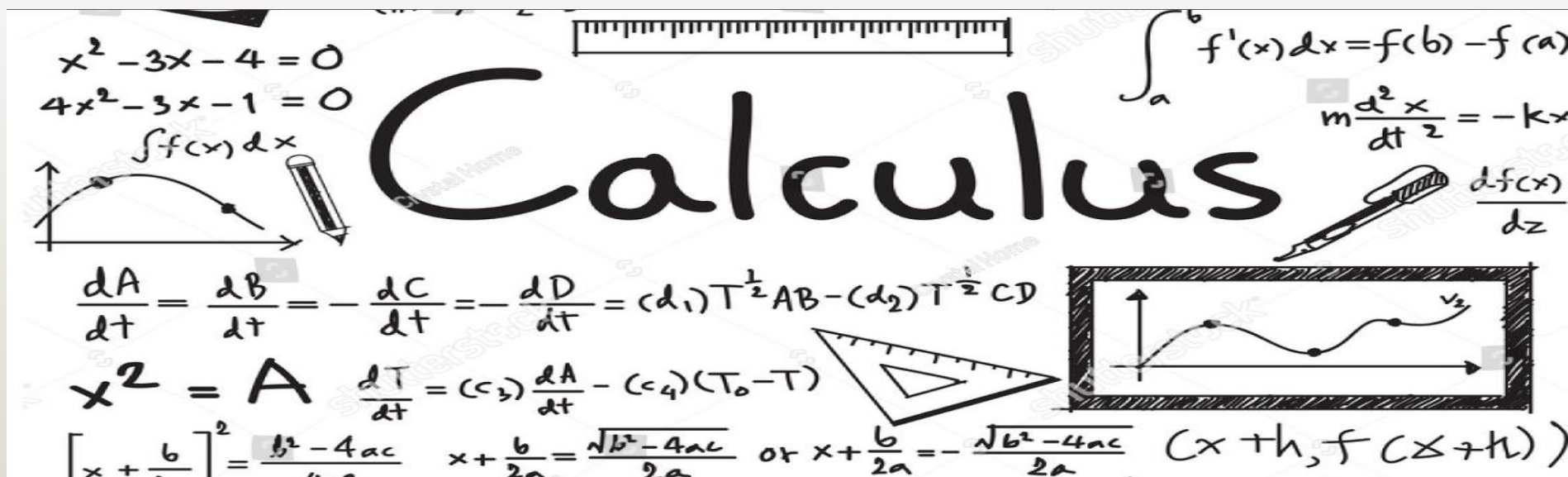# AP CALCULUS AB 2021-22

WELCOME PARENTS to Milton Open House 2021!

Open House Schedule: (Monday Aug 23, 2021)

- 1st Period: AP Calculus AB   7:00PM - 7:10PM
- 2nd Period: AP Calculus AB   7:15PM - 7:25PM
- 3rd Period: AP Calculus AB   7:30PM - 7:40PM
- 4th Period: 7:45PM - 7:55PM
- 5th Period: Accel Pre-Calc   8:00PM - 8:10PM
- 6th Period: 8:15PM - 8:25PM
- 7th Period: Accel Pre-Calc   8:30PM - 8:40PM

Parents, You're welcomed to sign up for Text Remind for this class!
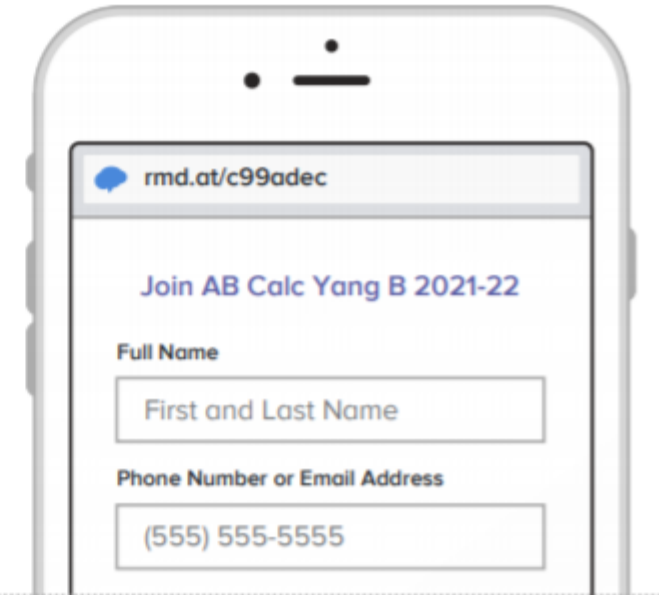(assessment reminders & help session reminders)

Pick a way to receive messages for **AB Calc Yang B 2021-22:**

(A) **If you have a smartphone, get push notifications.**

On your iPhone or Android phone, open your web browser and go to the following link:

rmd.at/c99adec

Follow the instructions to sign up for Remind. You'll be prompted to download the mobile app.

rmd.at/c99adec

Join AB Calc Yang B 2021-22

Full Name

First and Last Name

Phone Number or Email Address

(555) 555-5555

(B) **If you don't have a smartphone, get text notifications.**

Text the message @c99adec to the number 81010.

If you're having trouble with 81010, try texting @c99adec to (706) 225-2931.

Standard text message rates apply.

To

81010

Message

@c99adec

Calculus AB Tab

➢Class Notes

➢Begin with

Ch. P Pre-Calculus

➢Class Calendar

➢Download textbook pdf onto your device

➢Syllabus

Mr. Yang's Teacher Website

| Calculus AB/BC | Accel Pre-Calculus | Calculus BC | Non-AP Calculus | Geometry | Math Team | Mu Alpha Theta |

AP CALCULUS AB

******** 2021 Calculus AB Summer Packet(voluntary pre-calc review, not required, no grade)********

AB Calculus Summer Packet Problems   Summer Packet Solutions   Solution correction #13a

I. **Class Notes and Videos**

II. **Class Calendar - AP Calculus AB - August 2021**

III. a) **Calculus Larson Online Textbook 10e**
b) **Calc Chat (Larson 10e) Textbook Solutions (Odd-Numbered Problems)**
c) **Slader (Even & Odd Answers)**

IV. **Online Resources**

V. **Syllabus Fall 2021** - **AP Calculus AB (Draft)**

Go to "Chapter P" Page, and practice accessing Textbook problems, HW Calendar, Notes, Key, and Video.

Calculus AB/BC	Accel Pre-Calculus	Calculus BC	Non-AP Calculus	Geometry	Math Team	Mu Alpha Theta	more...

Chapter P   Pre-Calculus

0) Textbook Problems: Ch. P.1   Ch. P.2   Ch. P.3   Ch. P (Odd Problem Answers)

August 2021
August 2021 HW Calendar

1) (Mon. 8/9) Syllabus Fall 2021   August 2021 Calendar
                Parent Info Sheet   "Who am I?" handout

2) (Tues 8/10)   Ch. P1-P3 Handout Notes   notes.key   P1.video   P2.video   P3.video
                P1-P3 Homework 2017

3) (Wed 8/11)   Ch. P2 Notes/Practice continued

Highlights from our Class Syllabus

➢ Grading Scale: **Tests:** 55% **Quiz:** 35% **Homework**: 10%

➢ All Tests and Quizzes will be **CLOSED NOTES**. (**No** open-notes test/quiz this school year)

➢ Final Fall Exam will be a test grade. Required to take, but cannot hurt your semester grade. Can be used to replace lowest test (or quiz) grade.

➢ Homework will be assigned and checked daily. **Daily routine**: 1) check for HW completion (looking for your work, your steps, corrections: Writing down just problems and answers is not sufficient) 2) Go over selected HW problems. 3)Answer questions 4) Start new lesson

➢ Late HW / incomplete HW / insufficient work HW can be revised and still earn majority of the assignment credit.

Highlights from our Class Syllabus (…continued)

➢ Students will have one (1) opportunity **each nine weeks** to recover (1) **test**. Eligibility for a redo/retake is for students who receive a 79 or below on a specific test.

➢ Available for help before school Mon-Fridays on most days 7:30-8:10am & 3:30-4pm

➢ Will hold morning help sessions day of quiz/tests 7:15am (or the afternoon the day before test/quiz depending on schedule 3:45pm)
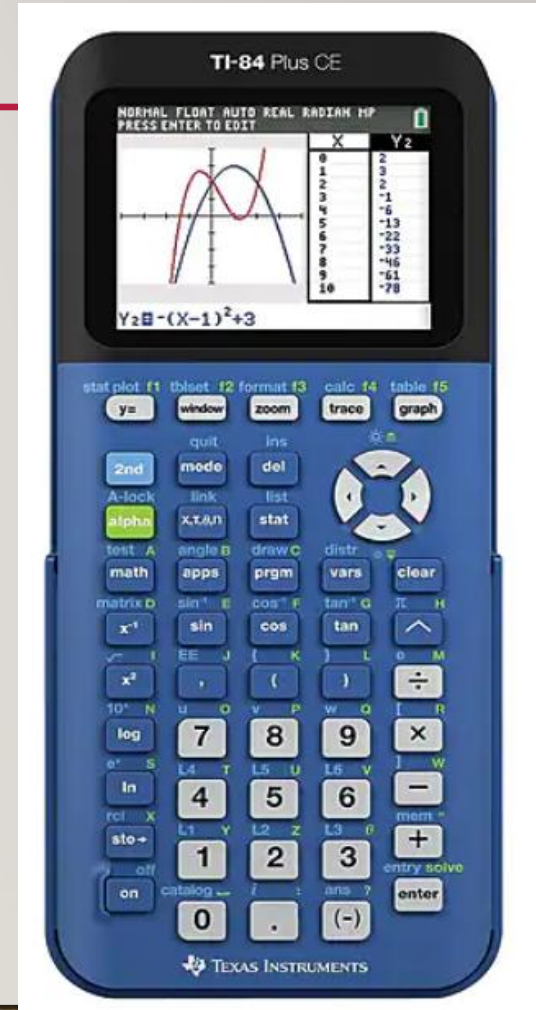
Student Class Supply List

1) Graphing Calculator - TI 83 Plus , TI-84 Plus, or **TI – 84 Plus CE**

   *Scientific calculator TI-36x Pro not allowed on AP exam.

2) Loose-Leaf Paper, 3-Ring Binder, Class Folder, Printer Paper, Graph Paper

3) Pencil, Pen, Eraser, ruler, Highlighter, colored pens

4) Textbook - Calculus of a Single Variable, Larson 10th Edition, AP edition

   (we will provide each student with a textbook 1st week of school)

CALCULUS BIG IDEAS

- Fall Semester focus is Differential Calculus: **Derivatives** describes rate of change of one variable with respect to another. (In other words, rate of change is related to **<u>Slope</u>**)

- Spring Semester focus is Integral Calculus: **Definite integrals** describes the net change in one variable over an interval of another. (In other words, net change is related to **<u>Area</u>**)

AP CALCULUS AB TOPICS

Fall Semester	**Spring Semester**
<u>Chapter P</u>: Precalculus Review <u>Chapter 1</u>: Limits and Properties <u>Chapter 2</u>: Differentiation <u>Chapter 2.6</u>: Related Rates <u>Chapter 3</u>: Curve Sketch/ Differentiation Applications <u>Chapter 5</u>: Log/Exponential Derivatives and Applications <u>Trig Unit</u>: Trig Derivatives	<u>Chapter 4</u>: Integration <u>Chapter 5</u>: Log/Exponential/Trig Integrals <u>Chapter 6</u>: Differential Equations <u>Chapter 7</u>: Volume/Area and applications of Integration <u>Chapter 8.2</u>: Integration by Parts <u>AP Exam Preparation & Review</u>: **(~March 15 – May 8)** **AP Exam Calculus AB**: Monday May 9th , 2022 (8am)

AP CALCULUS AB EXAM FORMAT

AP Exam Date: Monday May 9th , 2022 (8am)

The exam is approximately **three hours and 15 minutes** long and has two parts: multiple choice and free response. Each section is worth 50% of the AP Score

Section 1: Multiple Choice

45 questions; 1 hour and 45 minutes **Part A** — 30 questions; 60 minutes (no calculator)

Part B — 15 questions; 45 minutes (graphing calculator permitted)

Section 2: Free Response

6 Problems; 1 hour and 30 minutes   **Part A** — 2 problems; 30 minutes (graphing calculator permitted)   **Part B** — 4 problems; 1 hour (no calculator)

I'M EXCITED & LOOKING FORWARD TO CONTINUING SUPPORTING STUDENT LEARNING THIS SCHOOL YEAR!!!

THANK YOU PARENTS!!

FEEL FREE TO CONTACT ME WITH ANY QUESTIONS THROUGH TEXT REMIND OR EMAIL: YANGD@FULTONSCHOOLS.ORG