

$$\frac{dy}{dx} \int_2^x 25t^4 dt$$

Welcome to:
AP CALCULUS AB/BC

Ms. K. A. McDowell

Rm# 130

$$\sum_{k=1}^{10} k^2 + 1$$

$$\int_0^5 5x^2 \sin(x) dx$$

WELCOME!!

Welcome to AP Calculus AB/BC!!! Throughout the ensuing weeks and months, you may find this course to be extremely challenging but ultimately rewarding. Together we will explore the two branches of Calculus, differentiation and integration, through applications involving analyzing change, predicting behavior, and optimization. I anticipate a great year and look forward to working with each of you.

TEXT:

CALCULUS, 8TH edition, Anton -- \$98.44

GRADING POLICY:

Tests: 50%

Test will be cumulative and will consist of both multiple choice and free response questions as well as calculator and non-calculator active components. This format parallels that of the National Advanced Placement (AP) exam you will be taking in May 2013.

Quizzes: 30%

Quizzes will be given weekly and may be both announced and unannounced. Thus, to be successful, it is essential that you keep up with your work.

Homework/Classwork: 20%

Activities and Labs (both individual and group) will be assigned in this category.

HOMEWORK GRADES:

Homework is an essential part of your growth and learning in Mathematics and should be expected nightly. Additionally, since homework reinforces the daily class lecture, late homework is discouraged and will be accepted only with excused absences. Again, it is essential that you keep up with your work.

HOMEWORK PROCEDURES:

1. All homework should be neat and legible and include the page and assignment number.
2. Assignments to be turned in will be due at the beginning of class and will be returned as soon as possible.
3. Homework questions are both encouraged and welcomed.

MAKE-UP WORK:

1. If you miss class, it is your responsibility to read your textbook, obtain notes from a neighbor and/or review my notes.
2. If you miss a quiz or test, it is to be made up as soon as possible and within 5 days after you return to school. (See your R and R handbook.)

GRADING SCALE:

\geq	92	A
	91 - 83	B
	82 - 74	C
	73 - 65	D
\leq	64	F

BEHAVIOR:

As your R and R handbook states, you and your classmates have the right to a safe and orderly classroom environment to ensure optimum learning can and will take place. Any actions that disrupt this environment will be handled immediately. In this class you will be treated with respect and you in return are expected to be respectful at all times.

The following are considered distractions, are not acceptable during class, and will not be tolerated under any circumstances.

1. Talking while the teacher is talking
2. Sleeping or laying head on desk
3. Playing games on calculators
4. Talking during quizzes or test (unless in a collaborative setting)
5. Getting out of your seat during instruction time or anytime without permission
6. Throwing anything in the classroom
7. Touching equipment or materials without permission

CALCULATORS:

A graphing calculator (any brand) is required for this course. In the event a calculator is not available, the Mathematics Department will loan a TI-84. The cost, if lost or damaged, is \$100.00.

THE AP EXAM:

There will be a National AP exam given at the end of the year (May 2013). Hence, much of our work will be in preparation for this exam.

In early October, practice AP handbooks may be ordered (at a cost of \$17.00 each) and used throughout the year.

In March, there will be a practice AP exam.

TIPS FOR SUCCESS:

1. DO YOUR HOMEWORK
2. LISTEN IN CLASS
3. DO YOUR HOMEWORK
4. REFLECT ON WHAT YOU'VE LEARNED
5. DO YOUR HOMEWORK
6. BE INDEPENDENT BUT WILLING TO SEEK GUIDANCE WHEN NEEDED
7. DO YOUR HOMEWORK
8. BE NEAT AND ACCURATE
9. DO YOUR HOMEWORK
10. READ YOUR MATH BOOK
11. DO YOUR HOMEWORK
12. THINK WITH PENCIL AND PAPER
13. DO YOUR HOMEWORK
14. ENJOY AND GROW TO LOVE MATHEMATICS!!
15. AND DO YOUR HOMEWORK!!!

I have read and understood the AP Calculus AB/BC guidelines to success and I am willing to put forth my best effort to ensure a successful year.

Student Signature

Parent Signature

Comments _____

Contact Information:

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Heritage High School is where:

Effort Creates Ability

and

**Maximum Effort Creates
Success**