

GUIDELINES FOR CALCULUS A SURVIVAL GUIDE

$$\frac{1}{n} \sin x = ?$$

$$\frac{1}{n} \cancel{\sin} x =$$

$$six = 6$$

YOUR SUPPLIES

Keep your supplies up to date and bring all of your supplies to class every day.
These supplies should be available at all times:

A 1-INCH BINDER
A SUPPLY OF LOOSE LEAF
A SUPPLY OF SHARPENED PENCILS
YOUR CALCULATOR (To be distributed by me)
AN ERASER,
A RULER
GRAPH PAPER.

Course Description-Calculus

College Algebra is designed for college bound students who completed Algebra 2 & Trig and want to deepen their understanding and skills to prepare for Pre-Calculus. Calculus is a first course in the calculus of one variable intended for students who have completed Pre-calculus, and do not intend to take the AP exam.

Topics include a brief review of polynomials, trigonometric, exponential, and logarithmic functions, followed by discussion of limits, derivatives, and applications of differential calculus to real-world problem areas. An introduction to integration may conclude the course.

THIS COURSE DOES NOT CUMULATE IN AN AP EXAM.

How to help yourself succeed in math this year...

YOU must **study** the subject:

- Completing homework is not enough. A student must continually reinforce the vocabulary and concepts throughout the unit and throughout the year through flashcards, and revisiting old exams, quizzes and homework. Copies of all cumulative quizzes given throughout the year can be obtained from the download page of my website.
- If a study guide is given for an upcoming exam, it is usually distributed about 2 weeks prior to the exam. The study guide is also available on my website. It is expected that the students practice the problems on the study guide during that time, and not put this off until the night before the exam.
- If a student needs extra-help they need to come during a scheduled extra-help session, or visit the Math Center in room Tech B during their lunch period.
- All students have access to the Castle Learning website where they can set up their own practice sessions based on what they choose to study. The site provides hints and feedback for incorrect answers. Students can also set up their own flashcards to study concepts and vocabulary.

STUDENT RESPONSIBILITIES FOR SUCCESS:

Being prepared for class means being on time, having the right tools, and being ready to work.

YOUR HEADING

In order to help me keep accurate records, and to help you keep your notebook in order, please use the following form for your notebook pages and your homework papers.

	Name	Date
	Maus/Period	Assignment
○		

YOUR BINDER (A SUGGESTION)

Your loose-leaf binder must be brought to class every day. It must be kept organized, neat, and complete. Organize it according to your teacher's instructions. Make sure to date all notes. Students who are absent from class for any reason are still responsible for completing their notes. This can be done by copying a classmate's notes outside of class. Binders may be assessed at unannounced times at least once every quarter. They will be graded for completeness, organization, and neatness.

Your binder should be organized in **4** sections:

Section 1: Forms

In this section keep homework sheets, classroom rules and procedures, guidelines, and anything else you were given during the first days of class.

Section 2: Classwork

This section should include:

- Any and all work you do for in-class problems.
- Any notes you take.
- Mathematical Reflections

Section 3: Homework Assignments

Your homework should be written on lined loose-leaf paper, or graph paper and stored in this section.

Section 4: Assessment

You should store **all** tests and quizzes in this section **all** year.

YOUR HOMEWORK

HOMEWORK is **practice** and is **not** graded. However, everything you do will be seen and may receive feedback.

1. Students are responsible for writing homework assignments down in their assignment pads.
2. Homework should be done neatly and completely with proper headings. The problems must be written out and work must be shown.
3. Students who are absent from class for any reason are still responsible for completing the homework. This can be done by **either** checking the teacher website, or calling a classmate. Regarding websites, homework is subject to change according to daily classroom activities.
4. Three or more missing assignments will negatively impact your Interpersonal/Intrapersonal part of your grade.
5. Missing homework can be made up. You must bring your completed homework to Mr. Maus before school (~7:45 am-8:00am). If it is complete, correct, and of good quality, it will be accepted and marked as a late assignment.

YOUR GRADE

90% of your grade will be based on content knowledge, skills, and understandings with regard to North Shore course standards as well as students' performance in two dimensions of learning: Thinking, Creating, Imagining, Innovating, Problem Solving, and Using/Assessing Information.

This 90% of your grade is done on a point system

10% of your grade will be based on your continuous efforts and growth in work ethic, participation, and interactions with others.

ASSESSMENTS: TESTS, QUIZZES, AND PROJECTS

Tests, quizzes, and projects are important ways to assess student learning. However, not all assessments will contribute to a student's overall grade. Pre-assessments give me valuable information about your prior knowledge and skills in a particular topic, and certain formative assessments give me information about how the learning is going for you. Although neither of which will, or should, always be graded, they give me valuable information about how to best meet your needs as a math student. They can also become part of your portfolio, which will be graded.

The following assessments will contribute to your grade:

Cumulative Quizzes will be given on specified Thursdays throughout the year. The topics for each of these quizzes will be posted several days before each quiz. The schedule of these quizzes can be found on the calendar page of my website. **Revision Option:** Homework Quiz corrections will be assigned they are due the following school day for half credit.

Unit Exams are one way for you to demonstrate your understanding of the material in a particular unit. For units in which a **unit test** is offered, a study guide linking each test question to homework or class work problems will be available after the beginning of the unit of study.

Revision Option: A test correction time will be scheduled prior to school. At that time, a second opportunity to demonstrate learning will be available for half credit.

Unit Projects are another way for you to demonstrate your understanding of the material in a particular unit. For units in which a **unit project** is offered, project choices and rubrics will be available after the beginning of the unit of study.

Revision Option: Any project you do should be considered as a candidate for inclusion in your portfolio of work, and as such should be revised as needed before inclusion.

Any class work or group work can be collected for my assessment and feedback. You will never know ahead of time which ones I will also grade.

Name: _____

Date: _____

Maus/Period: _____

Interpersonal/Intrapersonal Grade

Q _____

Your Inter/Intrapersonal Grade:

Visit the portal to gather the following information:

Late HW	Missing HW	Late project	Late to Class	Nonparticipation	TOTAL
-1	-5	-10 per Day	-5	-5	-
					Minuses

$$100\% - \frac{\text{SUBTOTAL}}{\text{INTER/INTRAPERSONAL GRADE}} = \text{INTER/INTRAPERSONAL GRADE}$$

Comments:

Based on the factors I've stated above,

I think my Inter/Intrapersonal Grade should be: _____ %

Student Signature

Date

Parent Signature

Date

North Shore High School Academic Integrity Policy:

All work completed in, or submitted for, this course must adhere to conditions articulated in the North Shore High School Academic Integrity policy. Cheating, plagiarism, and other forms of academic dishonesty will be subject to the consequences articulated in the Academic Integrity policy, including but not limited to: loss of credit for the assignment, notification to National Honor Society, and disciplinary consequences including suspension. Repeat offenses will face an escalation in consequences as stipulated in the Academic Integrity policy.

North Shore High School Electronics Policy:

Cell phones, iPods, and other personal, non-school issued electronic devices are not permitted in areas other than the cafeteria or courtyard. This is an academic environment and these devices must be turned off and out of sight in all hallways and classroom spaces including the theatre, library, and gymnasium. Devices may be confiscated and turned in to an Assistant Principal.

EXTRA HELP

TUESDAY mornings from 7:30 to 8:00,
In **J- 14**

WEDNESDAY afternoons from 3:00 to 3:30.
In room **J-14.**

You **must** come to extra-help **prepared to work**. You **must** have a pen or pencil to write with and paper to write on. You must bring your math binder. You **must** have at least some vague idea of what you want to work on and be able to connect it to something you have written in your binder.

EVERYTHING YOU NEEDED TO KNOW ABOUT TEST CORRECTIONS, BUT WERE AFRAID TO ASK
When Test/Quiz corrections are offered:

1. ALL PROBLEMS THAT LOST POINTS MUST BE CORRECTED. This is the format you **must** follow:

MELVIN J. STUDENT		SEPT. 22, 2010	
Maus		Test Corrections	
Corrected Problems		Explanations	
<p>In this column you will rework each problem in detail. You must show all work.</p>		<p>1. I got this problem wrong because I... 2. I should have... (Explain in detail the concept/procedure to do the problem correctly.)</p>	

1. THE CORRECTIONS MUST BE ATTACHED TO THE ORIGINAL TEST.
2. THE TEST MUST BE SIGNED BY A PARENT OR GUARDIAN.
3. YOU WILL RECEIVE HALF OF YOUR LOST POINTS ONLY IF YOUR CORRECTIONS ARE PROPERLY COMPLETED FOR **EVERY** PROBLEM THAT LOST POINTS.

YOU MUST DO THE CORRECTIONS IF YOUR GRADE WAS LESS THAN 85%

MY EXPECTATIONS FOR ENTERING THE CLASSROOM

- 👂 ENTER ON TIME
- 👂 ENTER QUIETLY
- 👂 SIT AT YOUR DESK
- 👂 TAKE OUT:
 - YOUR BINDER
 - YOUR PENCIL
 - ANY OTHER MATERIALS YOU NEED FOR CLASS
- 👂 START WORK ON THE PROBLEM OF THE DAY

EXPECTATIONS FOR CLASS BEHAVIOR

- 👁️ I WILL COME TO CLASS ON TIME
- 👁️ I WILL FOCUS MY ATTENTION ON LEARNING MATHEMATICS
- 👁️ I WILL CONTRIBUTE POSITIVELY TO THIS CLASS
- 👁️ I WILL TREAT MY FELLOW MATHEMATICIANS WITH RESPECT
- 👁️ I WILL HELP WHEN I AM NEEDED
- 👁️ I WILL ASK FOR HELP WHEN I NEED IT
- 👁️ I WILL WAIT MY TURN TO SPEAK
- 👁️ I WILL TAKE RESPONSIBILITY FOR MY BEHAVIOR AND MY ACTIONS