

WELCOME TO ALGEBRA 2!

Ms. Amber Nakamura

ABOUT ME

- Ms. Amber Nakamura.
- Leilehua High School, Valedictorian.
- University of Hawaii at Manoa, Bachelors in Biology.
- Chaminade University of Honolulu, Masters in Education.
- Courses: Algebra I and Algebra II.
- Key Club faculty advisor.



MS. NAKAMURA'S CONTACT INFORMATION

- E-mail:
 - ANakamura_LHS@yahoo.com
 - AMBER_NAKAMURA/LEILEHUA/HIDOE@notes.k12.hi.us
- Phone:
 - LHS Office: (808) 622-6550
 - Math Department: (808) 622-6574
- Online Resources
 - Grades: http://www.edline.net/pages/Leilehua_High_School
 - Class website: <http://anakamura.weebly.com>

ALGEBRA 2 SYLLABUS



COURSE DESCRIPTIONS

- Prerequisites:** Algebra 1 A/B and Geometry A/B
- This is a **college-prep course**
- Topics include:** the real number system in greater depth; algebra techniques (i.e., exponential and logarithmic functions, complex numbers, sequence and series, and inverse functions).

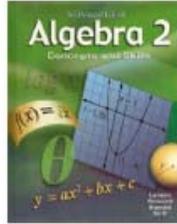
CLASS MATERIALS

- Bring EVERYDAY
 - Pencil and eraser (in addition different color pens and highlighters are recommended)
 - 3-Ring Binder or Five Subject Spiral Notebook
 - Calculator
 - Algebra I Textbook
- Extra credit supplies
 - Box of tissues
 - Paper Towel Roll
 - Loose-leaf paper (college ruled)
 - Pencils



ALGEBRA I TEXTBOOK

- You are responsible for any charges incurred for any damage or loss of your assigned textbook.
 - \$80.00
- You are required to **COVER** your textbook by next class—This is worth points!



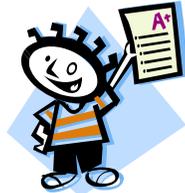
GRADING POLICY

- Exams: 35%
- Quizzes: 25%
- Quarterly Assess (Exam and Project): 20%
- Classwork/Homework: 20%
- Points may be added or subtracted.



GRADING SCALE

- A 90% - above
- B 80% - 89.99%
- C 70% - 79.99%
- D 60% - 69.99%
- F Below 59.99%



ATTENDANCE/TARDY POLICY

- **ATTEND CLASS.** However, if you are tardy or absent, **you** are responsible for any material that was covered during your absence/tardy.
- **UNEXCUSED absence/tardy**
 - You WILL NOT receive credit for any missing work.
- **EXCUSED TARDY**
 - You must make up any missed work within the day.
- **EXCUSED ABSENCE**
 - You have two class periods from the day you return to make up all work.
- **In order for an absence/tardy to be excused, it must be authorized by the LHS administration.**



HOMEWORK ASSIGNMENTS

- Do homework assignments in your notebook.
- Problems must be written out, and work must be shown in pencil. Please circle your answers.
- If you are caught copying the homework of a classmate, both parties will receive a zero for the assignment.
- **NO LATE WORK ACCEPTED!!!**



CLASS RULES

BE RESPECTFUL TO
YOUR:

- Teacher and Faculty
- Classmates
- School

BE RESPONSIBLE
FOR:

- Your Success
- Your Education
- Your Choices and Actions



CLASS POLICIES



Lectures/Lessons:

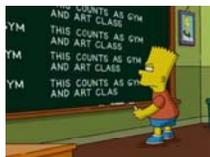
DO NOT TALK OR WALK
AROUND WHILE MS.
NAKAMURA IS INSTRUCTING.
RAISE YOUR HAND AND WAIT
UNTIL YOU ARE CALLED UPON.

CLASS POLICIES (CONT'D)

- **Lining up at the door:** you must stay in your seat until dismissed, not when the bell rings. If you leave before dismissed, you will receive a zero for the day.
- **Tests/Quizzes:** You are NOT allowed to talk or use any electronic devices during assessments. Any unauthorized talking and/or cheating will result in a zero!
- **Food/Beverages:** You are allowed to eat snacks and drink water. You are NOT allowed to eat meals, and chew gum (use a breath mint). Each student will be assigned as a food monitor.
- **Cellular phones/music players/unauthorized electronic devices:** These are contraband! If you are caught using it at any time during class, you will receive a verbal warning. If you are caught again, your item will be confiscated (school policy).

CONSEQUENCES FOR BAD BEHAVIOR

- Individual Consequences
 - Verbal Warning
 - Teacher-Student Meeting
 - Classroom Detention
 - Parent Notification
 - Teacher-Parent-Student Conference
 - Referral to counselor or administration.
- Class Consequences
 - Stay in during recess/lunch
 - Extra homework!



YOU ARE A STUDENT

- The sole purpose of a student is to learn.
- YOU MUST ACCEPT RESPONSIBILITY FOR YOUR LEARNING.



TO BE A SUCCESSFUL STUDENT

- You must be self-motivated and disciplined to succeed in this Algebra course.
- Do not fall behind; otherwise, you may struggle to catch up for the rest of the year. Be consistent!
- Come to class regularly and complete all assignments.
- Ask questions and immediately seek help when you need it.
- STUDY, STUDY, STUDY!!!!!!



INTRODUCTION TO ALGEBRA 2 & ALGEBRA 2 GOALS

WHAT IS ALGEBRA?

- Numbers are the alphabet of math; Algebra makes words and sentences.
- A branch in mathematics that focuses on quantity, relation, and structure.
- It is used in **ALL** subjects
 - Higher-level mathematics (geometry, algebra II, calculus)
 - Science (biology, chemistry, physics)
 - History (statistics)
 - English (composition structure)
 - Business (finance, economics)



ALGEBRA I GOALS



- Ms. Nakamura's Goal:
 - To prepare you for future mathematics courses by providing you with a sufficient background in Algebra 2.
 - To provide you with opportunities to develop logic and reasoning skills, critical thinking skills, and creative thinking skills—which can be used in everyday life.
- Example: Macy's is having a 70% discount sale. You want to buy a shirt that has an original price of \$68.00. How much is the shirt after the discount?
- Example: Bob had five girlfriends, now he only has two. How many girlfriends did he lose?



ALGEBRA I GOALS

- What's your goal?
 - Higher Education (i.e., college, professional school, etc.)
 - Join the military
 - Obtain a career
 - Achieve a higher level of thinking



Admission Requirements

Applicants to UH Mānoa are expected to have completed certain requirements in high school. Please review the requirements below:

High School Courses	Number of Courses
English	4
Math (including algebra II and geometry)	3
Science	3
Social Studies	3
Other college-prep courses	4
Total college-prep	22
Electives	5
Total Number of Courses	22

Note: High school foreign language courses count toward other college-prep courses. Certain programs (e.g., nursing, social work, education, etc.) may have additional requirements. Please check with the appropriate department for more information.

Standardized Test Scores	Scores
SAT	
Critical Reading	310
Math	310
Writing	310
ACT	
English	22
Math	22
Composite	22
Writing	22

Note: Students may take either the SAT or the ACT. Both are not required. Refer to the Application Checklist for instructions.

Other Requirements	Scores
Grade Point Average (GPA)	2.8 cumulative GPA
High School Rank	Top 10 percentile

http://manoa.hawaii.edu/admission/undergrad/apply/underman/underman_req

UH MANOA

- Requirements for UH Manoa Admission
 - 3 courses in math
 - Including Geometry and Algebra II
 - 510 Math SAT Score
 - GPA: 2.8 and above
 - That's a "B" average, with a "C" or two.



CALIFORNIA ADMISSION

- Admissions Requirements for the University of California campuses
- Freshman Admission Requirements for Fall 2012**
- UC's admission requirements are changing, effective with the class entering in fall 2012. If you will be applying for admission to that term or beyond, you will need to meet three minimum requirements:
 - Complete 15 college-preparatory courses ("a-g" courses), with at least 11 finished by the end of your junior year. At a minimum, you must take:
 - History/social science 2 years
 - English 4 years
 - Mathematics 3 years
 - Laboratory science 2 years
 - Language other than English 2 years
 - Visual and performing arts 1 year
 - College-preparatory elective 1 year (chosen from the subjects listed above or another course approved by the university)
 - Earn a GPA of 3.0 or better (3.4 if you're a nonresident) in those courses, with no grade lower than a C
 - Take the ACT with Writing or the SAT Reasoning Test by December of your senior year



CAREERS THAT USE ALGEBRA

- Architects
 - Calculate the space a building takes up using dimensions.
 - Determine whether a building structure is stable.
- Fashion Designers
 - Determine how much material is needed for different sizes.
 - Calculate the cheapest way of producing clothes.



CAREERS THAT USE ALGEBRA

○ Biologists

- Use formulas to analyze data.
- Determine whether data supports or does not support their hypotheses.



○ Doctors

- Determine prescription quantities.
- Use logical and reasoning, and critical thinking skills to diagnose and treat medical conditions.



CAREERS THAT USE ALGEBRA

○ Business Executives/Owners

- Analyze financial risks.
- Determine the most financially efficient way to run company.



○ Film/Music Producers

- Calculate production costs.
- Use critical thinking and creative thinking skills to develop and manufacture product.



TONIGHT'S HOMEWORK

- Read Syllabus with Parent/Guardian
- Sign and return "Student and Parent Acknowledgement" Form
- Complete and return "Student Information Sheet"
- Complete (by parent) and return "Parent/Guardian Information Sheet"
- Cover Textbook



NEXT CLASS...

- Placement Exam/Pre-Test
- Lesson on Chapter 1
 - Lecture notes are already available online!
 - <http://anakamura.weebly.com>