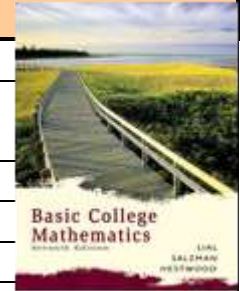


Syllabus for MATH-272-E5147 Arithmetic for College Prep and MATH-372-E5148 College Arithmetic College of the Redwoods, Eureka Campus		
Semester & Year	Fall 2018	
Course ID and Section #	MATH-272-E5147 Arithmetic for College Preparation MATH-372-E5148 College Arithmetic	
Instructor's Name	Tami Matsumoto	
Day/Time	MWF 1:15pm-2:30pm, 8/20/18-12/14/18	
Location	SC 202, at College of the Redwoods Eureka Campus	
Number of Credits/Units	Math 272 is 0- units; Math 372 is 4 units	
Contact Information	<i>Office location</i>	SC 205B, behind copier upstairs in SC Bldg
	<i>Office hours</i>	MW 2:30-3:30, plus by chance and by appointment.
	<i>Phone number</i>	Office: (707) 476-4543
	<i>Email address</i>	tami-matsumoto@redwoods.edu Include " Math 372 " (or Math 272) as part of the email Subject line
	<i>Social Media</i>	https://twitter.com/tamimathcr https://www.facebook.com/TamiMathCR
Textbook Information	<i>Title & Edition</i>	Basic College Mathematics , 7th ed
	<i>Author</i>	Lial, Salzman, Hestwood
	<i>ISBN</i>	0-32-125780-4, 978-0-32-125780-2



Course Information (excerpted from the Course Outlines of Record):

Course Descriptions: Note: Math 272 is a noncredit alternative to Math 372.

Math 272: A noncredit, basic skills course, as entry-level preparation for college mathematics. Topics include addition, subtraction, multiplication, and division of whole numbers, fractions, and decimals, with an emphasis on critical-thinking and problem-solving. Includes applications of proportions and percents, measurement unit conversion, and averages. Communication of mathematical ideas is integral to the course. The use of scientific calculators will also be introduced.

Math 372: A basic-skills course as entry-level preparation for college mathematics. Topics include addition, subtraction, multiplication, and division of whole numbers, fractions, and decimals, with an emphasis on critical-thinking and problem-solving. Includes applications of proportions and percents, measurement unit conversion, and averages. Communication of mathematical ideas is integral to the course. The use of scientific calculators will also be introduced.

Student Learning Outcomes

Math 272:

1. Add, subtract, multiply, and divide whole numbers, fractions, decimals.
2. Use the algebraic order of operations to simplify expressions.
3. Apply mathematical operations to real-life situations.
4. Estimate and assess reasonableness of answers.

Math 372:

1. Understanding relationships among different representations of numbers: numerals, words, diagrams, number line.
2. Use properties of numbers: factors, multiples, and divisibility.
3. Understand the properties and use of operations: commutative, associative.
4. Apply relationships among operations and priority of operations.

Special Accommodations

College of the Redwoods complies with the Americans with Disabilities Act in making reasonable accommodations for qualified students with disabilities. Please present your written accommodation request at least one week before the first test so that necessary arrangements can be made. No last-minute arrangements or post-test adjustments will be made. If you have a disability or believe you might benefit from disability related services and may need accommodations, please see me or contact [Disability Services and Programs for Students](#). Students may make requests for alternative media by contacting DSPS at 707-476-4280.

Academic Support

Academic support is available at [Counseling and Advising](#) and includes academic advising and educational planning, [Academic Support Center](#) for tutoring and proctored tests, and [Extended Opportunity Programs & Services](#), for eligible students, with advising, assistance, tutoring, and more.

Academic Honesty

In the academic community, the high value placed on truth implies a corresponding intolerance of scholastic dishonesty. In cases involving academic dishonesty, determination of the grade and of the student's status in the course is left primarily to the discretion of the faculty member. In such cases, where the instructor determines that a student has demonstrated academic dishonesty, the student may receive a failing grade for the assignment and/or exam and may be reported to the Chief Student Services Officer or designee. The Student Code of Conduct (AP 5500) is available on the College of the Redwoods website at: <http://www.redwoods.edu/board/Board-Policies/Chapter-5-Student-Services>, and scroll to AP 5500. Additional information about the rights and responsibilities of students, Board policies, and administrative procedures is located in the college catalog and on the College of the Redwoods website.

Disruptive Classroom Behavior

Student behavior or speech that disrupts the instructional setting will not be tolerated. Disruptive conduct may include, but is not limited to: unwarranted interruptions; failure to adhere to instructor's directions; vulgar or obscene language; slurs or other forms of intimidation; and physically or verbally abusive behavior. In such cases where the instructor determines that a student has disrupted the educational process a disruptive student may be temporarily removed from class. In addition, he or she may be reported to the Chief Student Services Officer or designee. The Student Code of Conduct (AP 5500) is available on the College of the Redwoods website at: <http://www.redwoods.edu/board/Board-Policies/Chapter-5-Student-Services> and scroll to AP 5500.

Additional information about the rights and responsibilities of students, Board policies, and administrative procedures is located in the college catalog and on the College of the Redwoods website.

Emergency Procedures for the Eureka campus:

Please review the campus evacuation sites, including the closest site to this classroom (posted by the exit of each room). The Eureka **campus emergency map** is available at:

(<http://www.redwoods.edu/aboutcr/Eureka-Map>; choose the evacuation map option). For more information on Public Safety, go to <http://www.redwoods.edu/publicsafety>. In an emergency that requires an evacuation of the building:

- Be aware of all marked exits from your area and building.
- Once outside, move to the nearest evacuation point outside your building:
- Keep streets and walkways clear for emergency vehicles and personnel.
- Do not leave campus, unless it has been deemed safe by the Incident Commander or campus authorities. (CR's lower parking lot and Tompkins Hill Rd are within the Tsunami Zone.)

RAVE – College of the Redwoods has implemented an emergency alert system. In the event of an emergency on campus you can receive an alert through your personal email and/or phones at your home, office, and cell. Registration is necessary in order to receive emergency alerts. Please go to <https://www.GetRave.com/login/Redwoods> and use the “Register” button on the top right portion of the registration page to create an account. During the registration process you can elect to add additional information, such as office phone, home phone, cell phone, and personal email. Please use your CR email address as your primary Registration Email. Your CR email address ends with “redwoods.edu.” Please contact Public Safety at 707-476-4112 or security@redwoods.edu if you have any questions.

College of the Redwoods is committed to equal opportunity in employment, admission to the college, and in the conduct of all of its programs and activities.

In the event of an emergency requiring immediate assistance:

1. Someone in class should **call 9-1-1**: can use telephone at Teachers station or cell phone (if possible). It could take minutes for help to arrive, so
2. someone else in class should also **call CR Security's Emergency number: 707-476-4111** – or just dial “**4111**” on the telephone at the Teachers station or at a “Courtesy Phone” – and/or hit the **“Panic Button” on a CR telephone** (Line 2) – to inform CR Security of the emergency.

In case of fire,

- calmly exit the classroom and go down the stairs to leave the building. **Do not use the elevator.**
- At the bottom of the stairs (on either side) **pull the Red Fire Alarm** on the wall near the exit (before exiting the building).

*In case of earthquake: **DUCK—COVER—HOLD ON.***

- The parking lot and Highway 101 are in the Tsunami Zone, so **WAIT** until we know whether it is safe to drive away. **Don't just leave!**

In case of Power Outage

- The classroom (and office) telephones probably will NOT work.
- The doors in SC, HU, and Administration Buildings will automatically lock – so if you exit a room and the door closes, the door will automatically lock behind you and card-key won't work

Additional Information about services and help available to CR Students:

Tip Line

Anyone wishing to make an anonymous report of a crime may use the tip line at 707.476.4555
Or by emailing CRTip@redwoods.edu.
See also: <https://www.redwoods.edu/publicsafety/How-do-I-File-a-Report>

Students get Microsoft Office365 FREE

All CR Students and faculty can get OFFICE 365 for *free* -- for PC, Mac, Smartphone, Tablet – up to 5 devices -- using your @mycr.redwoods.edu email address.

- Go to: <http://office.com/getoffice365> (If you get an Error message using the hyperlink, copy and paste the url directly into your browser.)
- Enter your "mycr" student email account (e.g., ido555@mycr.redwoods.edu)
- Go into your student email account; click on the verification link in the Microsoft email.
- The link will take you back to the website and you can download the software at that time, OR access the account at a later time via: <https://login.microsoftonline.com>

See also: <https://www.redwoods.edu/online/Help-Student>

Mathematica -- symbolic mathematical computation program, sometimes called a computer algebra program, used in many scientific, engineering, mathematical, and computing fields.

All faculty, staff, and students are welcome and are entitled to a free version of Mathematica for personal use. See: <https://www.redwoods.edu/math/Mathematica>

Associated Students of College of the Redwoods (ASCR)

- ASCR is run by and for CR students. If you aren't involved already, you might like to check it out. See <https://www.redwoods.edu/ascr/>
- There are many student clubs and organizations. Contact ASCR if you would like to start a new one! <https://www.redwoods.edu/ascr/Orgs>

Support Classes (a partial list of what's available for students at CR's Eureka campus)

Classes for Academic Support (register in one or more of these to benefit from them)

- Math Lab classes: Drop-in math help, during open hours. There are different math lab class options for Math 272/372 students: Math 372L or Math 252
- LIGHT Center classes open to all students: GUID 143, 145, 146, 147, 148, 205, 215.
For information: 476-4290 (Eureka campus)
NOTE: Many GUID classes can be taken by any students (even if not DSPS)
- ESL classes such as ESL 211 are free and support academic students. You can sign up in class!
- Math Review Courses (for future reference): Math 301, Math 302, Math 303 – short, 9 hours of class time total
- CIS 210: For help with computers, computer programs/software, such as Excel, Canvas

Student Services (a partial list of what's available for students at CR's Eureka campus)

ACADEMIC SUPPORT AVAILABLE AT CR

- Academic Support Center (ASC) -- variety of services to help students succeed, including free tutoring and proctored testing. <https://www.redwoods.edu/asc>
 - Testing Center in ASC -- for make-up tests, and when accommodations cannot be made in the regular classroom: <https://www.redwoods.edu/asc/Testing-Policies-Procedures/Accomodations>
 - Tutoring Services -- free for all CR students, by appointment (you do not need to be enrolled in a Math Lab class to meet with an ASC Tutor). <https://www.redwoods.edu/asc/Tutoring-Services>
- Calculator Rental -- <https://www.redwoods.edu/math/Resources/Calculator-Rentals>
- Math Lab -- students must be registered in a Math Lab course to receive math help in the Math Lab. <https://www.redwoods.edu/math/Lab> There are many sections of MathLab associated with different math classes. Any student can sign up for non-credit Math Lab (Math 252) to get help with math-related work. This course is available at DN, EKA, and KT
- Tutoring and Writing Help: The Eureka Campus ASC provides help and tutoring for writing and many other classes. Tutoring is available, by appointment, to any CR student (you do not have to be registered in a special class). Some special programs (such as TRiO, EOPS, DSPS) also have tutoring available for students in those programs.
- Math Textbooks – many available for check-out from Library; also free textbooks online for Math 276, Math 376, Math 380, Math 120. <https://www.redwoods.edu/math/Free-Math-Textbooks>; also copies of texts in the MathLab class for use while you are there. Some special programs (such as TRiO, EOPS) may have textbooks available for students in those programs.
- Mathematica Software -- <https://www.redwoods.edu/math/Mathematica>
- Online Practice in Mathematics, "OPTIMATH" -- <http://msenux2.redwoods.edu/optimath>
- Math Review website -- <https://www.redwoods.edu/math/Resources-Algebra-Review>

SPECIAL PROGRAMS AT CR

- **CalWORKs** – California Work Opportunity & Responsibility to Kids (CalWORKs) assists students who are parents of children under age 18, who are receiving assistance. <https://www.redwoods.edu/calworks>
- **DSPS** – Disability Services and Programs for Students (DSPS) is a special program funded by the State of California to provide services, accommodations and classes to students with disabilities. <https://www.redwoods.edu/dsps>
- **EOPS** – Extended Opportunity Programs and Services (EOPS) is a state-funded program designed to provide financial assistance, support and encouragement for eligible low-income students. <https://www.redwoods.edu/eops>
- **TRiO** – The TRiO Student Success Program is a multi-faceted support program—offering assistance and encouragement to low-income, first-generation students, and/or students with disabilities. <https://www.redwoods.edu/trio>
- **Honors Program** – a challenging program designed for successful transfer to a competitive four-year college. <https://www.redwoods.edu/honors/>
- **Veteran Resource Center** – to support and facilitate academic success for Active Duty Military, Veterans and Dependents attending CR through relational advising, mentorship, transitional assistance, and coordination of military and Veteran-specific resources. <https://www.redwoods.edu/vets>

Other Services (a partial list of what's available for students at CR's Eureka campus)

OTHER SERVICES FOR CR STUDENTS

- **Child Development Center (CDC)** -- subsidized childcare for eligible, low income families. Private-pay childcare may be available if space allows. <https://www.redwoods.edu/cdc>
- **Food Pantry / Resource Center** -- <https://www.redwoods.edu/resourcecenter>
- **Health Services for Students** – Free Flu Shots (while they last). Health care available at little or no cost at the Student Health Center during open hours. PE building 114. 476-4149. Closed Holidays and Breaks. <https://www.redwoods.edu/studenthealth>
- **Multicultural and Diversity Center** – in LRC 103

- **Parking information** -- Permit is required. <https://www.redwoods.edu/publicsafety/Parking>
- **Scholarships** --
 - CR Scholarship office offers scholarships from dozens of courses -- all on just one application. <https://www.redwoods.edu/financialaid/Scholarships>
 - Outside Scholarships to apply for (a partial list) <https://www.redwoods.edu/financialaid/Types-of-Aid/Scholarships/Scholarship-List>

- **Security/Public Safety** -- Security Officer is on duty 24 hrs/day, 365 days/yr.
 - Can be reached from "Courtesy Phones" and call boxes located across campus.
 - Emergency Line: 476-4111 (Non-emergencies 476-4112) <https://www.redwoods.edu/publicsafety>

- **Technical Support:**
 - Email its@redwoods.edu at any time and get a response within one business day.
 - Phone (707) 476-4160 or 800-641-0400, ext. 4160 (8am-4pm Mon-Fri).

ADDITIONAL BENEFITS TO CR STUDENTS

- Art Gallery -- Admission is Free during open hours. <https://www.redwoods.edu/artgallery>
- Bus Pass -- There will be bus passes in the Bookstore that CR Students can purchase at 50% off (31-day pass). EOPS will provide them for students in that program.
- Humboldt Botanical Gardens -- Open Wed-Sun. The gate is kept closed to keep deer out; during open hours, walk in and be sure to close the gate. <http://www.hbgf.org/visit>
- Preferred Name in Canvas: Students now have the option of having an alternate first name appear in Canvas. Use this form from the Admissions website <https://www.redwoods.edu/Portals/28/Forms/Student%20Information%20Update%20form.pdf?ver=2016-08-30-140231-443> . Social Security card is ONLY required for official name change – Not required for Canvas “preferred name” change.
- Workshops – such as Financial Literacy, Support Groups – check CR Events list <https://www.redwoods.edu/events>

Math 272 & Math 372 College Arithmetic

~*~ *Combination Course* ~*~

This class is a combination of students registered in Math 272 and students registered in Math 372.

Math 272 is -0- units. Math 372 is 4 units. Both are College Arithmetic courses.

There is no difference in the *mathematical content* covered for the 272 students compared to the 372 students -- the learning experience should be the same for all the students in the room.

Main Reason for offering both together is to provide *options!*

- Some students really need the units (for various reasons) and cannot afford to spend **time** learning Math (for -0- units) if they also have other classes to carry a certain unit load -- so they really need a Math class with units.
- But some students do not need the units, and would much rather take the class without paying \$184 for it -- so Math 272 works fine for them.

NOTE: *We want you to be in the class that suits you best!*

- Students registered in Math 372 can switch **out** of Math 372 and into Math 272 by adding one and dropping the other in WebAdvisor.
- Students registered in Math 272 should not drop 272 in WebAdvisor, but can add Math 372 to get the units (see instructor for an Add card).

This adding and dropping should occur within the first week of the semester.

If you think a higher-level class might suit you better, you might consider taking Prealgebra, either Math 376 (4 units) or Math 276 (0 units). To see whether this class is right for you, you can test yourself. Try the "Cumulative Review Exercises" in the textbook on pages 465-470. If you believe you would be better off in a different class, let me know if you have any trouble registering, even if the class appears to be full.

Math 272 & Math 372 College Arithmetic

~*~ *About the Course* ~*~

Information follows in the following sections:

1. About Mathematics
2. Materials you will need
3. Course Content
4. Important Semester Dates
5. Sources of Math Help
6. Course Requirements
7. Homework
8. Creating Your Own Personal MATH REFERENCE BOOK
9. Grading Information

1. About Mathematics

math·e·mat·ics

maTH(ə)'madiks/

noun

noun: **mathematics**; noun: **applied mathematics**; noun: **pure mathematics**

the abstract science of number, quantity, and space. Mathematics may be studied in its own right (*pure mathematics*), or as it is applied to other disciplines such as physics and engineering (*applied mathematics*).

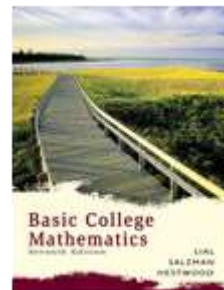
Mathematics can be abstract at times, but really, math is used in everything. You couldn't live without ever using numbers or math.

You will need to learn (a la Bloom):

- Knowledge
 - Definitions
 - Types of numbers and representations of them
 - Arithmetical Operations
- Comprehension
 - How related things compare (similarities, differences)
 - What different things mean or tell us
 - How to interpret mathematical symbols
 - Which operations apply in which situations
- Application
 - How to take information given and apply math to it
 - How to solve problems, combining together what you have learned
 - How to apply what you know to **new** situations
- Analysis
 - How to make inferences from analysis of complex information
 - Recognizing importance and significance of component parts
- Synthesis
 - How to understand a situation and pull together all that you have learned, to reach appropriate conclusions and inferences
- Evaluation
 - How to look back to assess what was done (by you or others) and evaluate the results

2. Materials you will need:

- **Required Text: *Basic College Mathematics, 7th edition***, By Lial, Salzman, Hestwood. Published by Addison Wesley. You can check out the book from the **CR Library** for the whole semester. You also have the option of buying your own copy online very inexpensively.



- **Recommended:**
 - **Student Solutions Manual** (ISBN 0-32-127938-7, 978-0-32-127938-5);
 - **Study Skills Workbook (for Basic College Mathematics, 7th ed)** (ISBN 0-32-127937-9, 978-0-32-127937-8)
- **Calculator:** A **Scientific** Calculator (does not have to be a "graphing calculator").
- **Bound Notebook with Grid Paper:** Roaring Spring #77475 or Ampad #26-251 (about \$2 - \$6), for example. Check to make sure it is **bound** and has **graph paper** in it. You will use this to build yourself a reference book (see the "Reference Book Information" also).
- **Time. Lots!!** In your own weekly schedule, please block out at least 15 more hours (*possibly as much as 20 hours*), per week, to devote to this class.
- **Supplemental Handouts.** There will be lots of handouts some of which you may have to print yourself. It is your responsibility to make sure that you get a copy of all supplemental material, even if you miss class.
- **Paper:** Homework Paper and scratch paper, lots of it! It is fine with me if you RE-USE paper. Paper that's only been used on one side is still fine (in general) on the other side. You will also need some graph paper. Get it in a pad or a package of loose-leaf sheets (rather than stuck in a notebook), or print it from the web. Many people find it helpful to get graph paper with heavier lines on every fifth line to make counting easier.
- **Pencils:** Lots. Math problems should be done in pencil in this class (as in math classes in general). If you like softer lead (I find it writes darker easier) then you might like "2B" mechanical pencil lead (I prefer "2B" to "HB" which I find not as easy to work with).
- **Erasers:** At least one.
- **A ruler:** Important for drawing tables and graphs carefully and correctly.
- **Online Access** for:
 - **Email:** I expect you to have regular access to a computer and expect to be able to contact you easily. The College uses your "mycr.redwoods.edu" email address to communicate with you so it is important that you receive those email messages; you can set it up to autoforward those emails to another email address if you prefer (though you should still check it now and then just in case).
 - **Canvas course management system and other online resources.** This is separate from your email but you need access to a computer for this also.

3. Course Content

Topics include mathematical operations with whole numbers, fractions, mixed numbers, decimals, and percents; measuring units, graph reading, some basic statistics, and applying mathematics to real-world problems

We will follow the material in the textbook in Chapters 1 through 6, the first section in Chapter 7, and also Chapter 10. The information from Chapter 10 and Section 7.1 will be introduced while we are working on Chapters 1-6.

There will be five short exams amid the term and one Final Exam. Exam dates will be announced at least one week in advance.

The Final Exam is scheduled for Wednesday, Dec. 12, 1:00-3:00pm. Please plan to be there.

4. Important Semester Dates

Class meets MWF 1:15pm-2:30pm, starting August 20, 2018, and runs 15 weeks, followed by Finals Week. Class meets in person in room SC202 on the Eureka campus.

Important dates for Fall 2018:

- Monday, August 20 - First day of class
- Friday, Aug. 31 - Last Day to drop without a "W" on your transcript and receive a refund
- Monday, Sep. 3 – Labor Day HOLIDAY. No Classes. Campus will be CLOSED.
- Friday, Oct. 19 - Science Night at CR, 5-9pm (*Attendance is not required, but you'll enjoy it!*)
- Thursday, Oct. 25 - Last Day to petition to graduate / receive certificate this semester
- Friday, Nov. 2 - Last Day for Student-Initiated Withdrawal (no refund, and get a "W")
- Monday, Nov. 12 - Holiday for Veterans Day. No classes (campus will be closed)
- Monday-Friday, Nov. 19-23 Fall Break - No Classes (Campus closed on Thursday-Friday)
- Friday, Dec. 7 - Last regular class session
- Finals Week: December 10-14.
 - Comprehensive Final Exam 1:00-3:00 pm on Wednesday, Dec. 12
- Friday, Dec. 14 - Last day to submit any late work.

*Admissions dates should be double-checked at the Admissions webpage

5. Sources of Math Help

If you have questions, please get help! It is your responsibility to seek help if you need it. I will answer some questions in class, but unfortunately, we will not have enough time to answer all of everyone's questions. Some sources of help are:

- **Courses you can sign up for to get academic support:**
 - **Math 372L Math Tutoring Lab** (strongly recommended but not required). Register for the 1-unit or ½-unit section for this opportunity for drop-in tutoring in the Math Lab during open hours. Math Lab is a class; register for it using WebAdvisor; it is Credit/No Credit. For 1 unit of "credit" you must have 45 hours of documented attendance by the end of the semester (22.5 hours for 1/2-unit). You can sign up for ½ -unit and change to 1-unit later if you choose to.
 - **Math 252 Non-credit alternate version of Math Lab.** You get the same drop-in tutoring help as Math 52, with the same hours, but this is -0- units and there is no hours requirement.
 - **CIS 210:** A free drop-in class for help with computers, Canvas, email, Excel, and lots more!
 - **GUID classes:** Many GUID classes can be taken by any students (even if not in DSPS program)
- **People**
 - **ASC one-on-one Tutoring:** Any CR student can sign up to meet with a tutor in many disciplines, not just mathematics. Contact the ASC. (You do not need to be registered in Math Lab for this.)
 - **Tutors** in special programs (for example DSPS, EOPS)
 - **Private tutors**
 - **Your Classmates** – form study groups. You can contact classmates via discussion forums or email.
 - **Instructors:** You can come to my office during office hours, or by appointment; you can call or email me to connect. Other instructors are willing to help, too, when available.

6. Course Requirements (*subject to change with fair notice*):

Participation in Class Activities: Attendance and participation are essential to the learning process. In addition, everyone benefits from your input and participation, and some work we do will be in groups! One important aspect of this course is the incorporation of active learning in class; this requires everyone's participation, particularly during in-class activities. Also, the best way to insure having a successful experience in any course is to come to every class meeting and keep up with the assignments. There will often be handouts during class to be turned in at the end of class. If you miss more than four class sessions, you may be dropped from the course.

I realize that sometimes things come up and getting to class is impossible. In those cases, communicate with me as soon as you can. This is especially important if you are missing a scheduled exam!

Note that ALL students remain responsible for ALL assignments given and those assignments are expected to be turned in ON TIME. If you miss a class, the assumption is that you will get the necessary information to complete the assignment by the due date and be prepared to continue in the normal flow of the course.

**CAUTION: the material builds from one week to the next and so
IT IS STRONGLY URGED THAT ALL STUDENTS ATTEND ALL CLASSES.**

Problem Sets, assigned from the textbook: Problems will be assigned every class. There will be "Practice" problems, "Basic" problems, and "Advanced" problems. Show your work, and work neatly and legibly. There will not be time for problems to be graded carefully, so it is very important that you check your own work before turning it in, and ask questions if you want to make sure you are on the right track.

Pop Quizzes: There may be pop quizzes. You should always bring a pencil with you to class each day to be ready for a quiz. Bring your reference book (which may be allowed for some quizzes).

Other assignments: There will be some assignments other than problems from the book. Some will be explained on handouts, some will be writing assignments, and some will be done in class. Also you will build your own Math Reference Book throughout the course.

Reference Book: Each student is required to create his/her own personal Math Reference Book throughout the term. It should be made in a bound notebook; create a title page at the front, followed by a table of contents. The contents should include material learned in the course. For the most part, it is up to you to decide what to include, though there will be a few items I will direct you to include. Each page should be for a separate topic. Suggestion: note in your book the textbook page # to refer back to, if needed.

Exams: There will be about 5 short exams amid the term and a Final Exam during finals week. The Final Exam will be comprehensive and will be given in two parts: For one part you will be able to refer to your own Reference Book which you will be making throughout the term. About a week before each test you will be provided with a study guide for the exam. You do not need scantrons. You should always bring pencils, erasers, and your Reference Book (for grading) on test days.

Final exam official date and time: Wednesday December 12, 1:00-3:00pm, during finals week.

HELP?! If you have questions, please get help! It is *your* responsibility to seek help if you need it. We will go over some questions in class, but we will not have enough time to answer all of everyone's questions.

DUE DATES and LATE WORK: Caveat on "due dates": While we are, by necessity, confined within a certain time framework, it is important to me that you understand the material – given that, if you have made progress on an assignment but are having trouble completing it by the due date, communicate with me to make appropriate arrangements. It is of greater value that you understand the work and are able to do it yourself, than that you turn it in on time.

7. Homework — *What, When, Why, How?*

There will be a homework assignment associated with essentially each class meeting. In general, work to finish your homework before the next class meeting, but if you have questions, you will be allowed to turn in your homework two classes after it is assigned. Since this could result in overlaps of assignments, you must be very careful to keep your assignments clearly labeled, but this system allows you to ask for clarification, if needed, so that you can then finish up that assignment and still turn it in – and understand it.

The purpose of having you do homework exercises is

- (1) to give you practice with a variety of problems, and
- (2) to help you to learn to write responses correctly, and
- (3) to help you get some feedback so that you know what you are doing right and what you need to improve on.

I will usually assign problems that have answers in the back of the book so that you can check your work as you go along and get help when you need to. Generally, we will go over a few problems in class, but if you still have more questions, then please be sure to seek out help from me or from others, outside of class time.

There will be three categories of homework problems assigned: “Practice,” “Basic” and “Advanced.” You must do the “Practice” and the “Basic” problems to pass the class, but you only need to do “Advanced” problems if you want a grade above a C. Problems designated “Advanced” are sometimes more challenging, but sometimes merely time-consuming or extra practice.

Here are some very general instructions for how I want you to do your homework:

1. When you turn in your homework, if there are multiple pages, please have pages in the correct order. Also do not run the problems into each other – each problem should be clearly marked and easy to find.
2. Label each homework assignment clearly in the center at the top of the page with the assignment number: “HW #1” or whatever number it is.
3. At the top right side of the page, write your name and “**Math 372**” (or “Math 272”) and the date.
4. Please use pencil, and erase carefully, when necessary.
5. The “Practice” need not be written out carefully; the idea is for you to get a lot of practice doing the problems, and it does not matter what the written work looks like. The “Basic” and “Advanced” problems should be done with more care: Label each problem clearly, and paraphrase the question – you do not need to copy all the words of the question exactly as it is in the book, but you should write enough so that anyone looking at it (who does not have the book in front of them) can tell what it was that you were supposed to do.
6. Show your work – do not just turn in a list of answers. Even for most of the “Practice” problems, some intermediate work should be evident.
7. Work down the page – Each problem should be below the one you just did (not next to it), though a two-column format would be fine.
8. Check in the back of the book (B.o.B.) before turning in your work. It is your responsibility to check your work and get help if and when you have questions.

8. Creating Your Own Personal MATH REFERENCE BOOK

During the term, you will create your own personal Math Reference Book. In your Reference Book, you will write definitions, examples, and instructions of things that we learn in this class. This book will be useful to you throughout this course, and especially in other courses you take after this one!

You will be allowed to use your Reference Book on our “Reference Book Quizzes” as well as when you are studying and working on your homework, of course.

- Get a bound notebook with grid paper in it (sometimes called “quad ruled”). Composition books are about \$2 to \$4 dollars and are sold at the CR and HSU bookstores, Staples, and other places.
- Make a Title Page. The first page of the book should be made into a title page. Create a title for your book, and include identifying information so it could be returned to you if you ever were to lose it.
- Start the Table of Contents. On the top of the **next** page (right side) write “Table of Contents” and reserve the next several pages for your Table of Contents to grow into. Skip at least 4 pages – more if your writing is large or if you anticipate entering particularly detailed information in your “T O C.”
- Page 1. The first page that you write actual content information on should be numbered “1”.
- Number the following pages. Number the pages, either odd and even on front and back, or you might prefer to number just the right-side pages 1, 2, 3, and so on, leaving the left sides blank at first.
- Enter information regularly as you study and do your homework. Keep just one basic topic on each page, even if you don’t fill up every page. The important thing to remember is to make this useful for yourself, so that a year from now (for example), you will be able to find whatever you look for easily.
- As you add information, write corresponding entries in the T O C, listing the number of the corresponding page **in your reference book** to the **right** of the T O C entry.
- What to write: At times, I will direct you to include specific information in your Reference Book. Also, as you study, go over your class notes and read corresponding material in the text, synthesize important information and put it into your Reference Book. Definitions and explanations in your own words will be easier for you to understand later. Include examples and pictures, too.

Your Reference Book will be graded several times during the term. Correctness will be spot-checked (due to lack of time – not for lack of interest!). The Reference Books are graded on three areas: completeness, general correctness, and presentation.

9. Grading information (*subject to change with fair notice*)

NOTE: The "Gradebook" in Canvas is NOT your official grade and is for informational purposes only.

For the grade options at left, you must meet all the requirements in that row of the chart.

	Exams/Quizzes	Reference Book	In-class Work*	Homework**
For A-/A	At least 85% average	Excellent Reference Book, with all or most topics covered, with corresponding table of contents	At least 90% completed satisfactorily	<ul style="list-style-type: none">• Do all Practice Problems• at least 90% of "Basic" problems completed in a legible, satisfactory way;• good work done on majority of "Advanced" problems
For B-/B/B+	At least 75% average	Good Reference Book, covering majority of course content with corresponding table of contents	At least 80% completed satisfactorily	<ul style="list-style-type: none">• Do all Practice Problems• at least 80% of "Basic" problems completed in a legible, satisfactory way;• good work done on at least some "Advanced" problems
For C-/C/C+	At least 65% average	Basic Reference Book has basic topics covered	At least 70% completed satisfactorily	<ul style="list-style-type: none">• Do 70% of Practice Problems• at least 70% of "Basic" problems completed in a legible, satisfactory way
For D	At least 50% average	Reference Book must have at least one page of content	At least 60% completed satisfactorily	<ul style="list-style-type: none">• Do majority of Practice Problems• Majority of "Basic" problems completed in a legible, satisfactory way

For determination of +/- grades, the entire class spread will be considered at the end of the term.

*regarding in-class work, exceptions are allowed if make-up arrangements are made in advance

** Homework will include problems from the textbook, along with other handouts and assignments.

CAVEAT: The above procedures are subject to change.
