## CAMOSUN

COLLEGE

Mathematics 072 S01
Advanced Mathematics 1
Spring/Summer 2013

| Instructor: | Gemma Cuizon |
| :--- | :--- |
| Office: | Ewing 250 |
| E-mail: | cuizon@camosun.bc.ca |
| Telephone: <br> Schedule: |  |


| Time | Monday | Tuesday | Wednesday | Thursday | Friday |
| :---: | :---: | :---: | :--- | :--- | :--- |
|  | $5: 00 \mathrm{pm}-5: 20 \mathrm{pm}$ | Office <br> Hours |  | Office <br> Hours |  |
| $5: 30 \mathrm{pm}-7: 50 \mathrm{pm}$ | Math <br> $072 / 073$ SP <br> E346 |  | Math <br> $072 / 073$ SP <br> E346 |  |  |
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## Important Dates:

## Prerequisites:

Exit Grade: You need a grade of $\mathrm{C}+$ in 072 to continue into Math 073 and most college programs.

## Required Textbook:

## Intermediate Algebra, 11 ${ }^{\text {th }}$ Edition, Marvin Bittinger

In the bookstore, new textbooks come packaged with the Student's Solution Manual, and a Trigonometry booklet that we use in Math 073.

Other Supplements: DVD's (on reserve on the main laibrary) and videotapes (in the Math Help Centre E342)

## Workload

The course completion time will vary for each student, depending on a number of factors to be discussed with the instructor when the individual learning plan is developed. Factors include the students' beginning level of math skills, motivation, learning rate, and how much time they can actually study and attend class. It takes $2-4$ hours to read through one section and do both the margin exercises and enough exercises in the exercise set to feel comfortable with the material. There are 35 sections in this course; this means that you have between 70-140 hours of work ahead of you not including study time for tests and the final exam! If you work 5 days a week on this course, then you need to put in $2-4$ hours a day to finish the course in one term. There is lots of help available; you can ask me questions during class or during office hours, you can get help from the math tutors in the help centres.

## Course Content:

MATH 072 is an algebra course that articulates as the first half of Principles of Math 11. However, those of you who have taken Math 11 will notice that 072 has quite a different flavour; we emphasize algebra skills and we only use a calculator when necessary. Topics include an arithmetic and algebra review; linear equations and inequalities in one variable; an introduction to functions; a comprehensive study of linear functions; system of linear equations in two variables; linear inequalities in two variables; polynomials; and rational exponents. Applications are sprinkled throughout the course. We cover the following sections in the textbook.

Unit 1: Ch R Review of Basic Algebra
Unit 2: Ch 1 Solving Linear Equations and Inequalities
Unit 3: Ch 2 Graphs, Functions and Applications
Unit 4: Ch 3 System of Equations
Unit 5: Ch 4 Polynomials and Polynomial Functions
R. 1 - R. 7
1.1-1.6 (omit 1.6e)
2.1-2.6
$3.1-3.4 a, 3.7 a b$
$4.1-4.7$

Homework for Unit 1 (Ch R) - No Calculator

| Unit 1 | Section | Margin Exercises | A Bit More Practice | Lots More Practice |
| :---: | :---: | :---: | :---: | :---: |
| R. 1 | The set of real numbers | all | 1-23, 69-73 | 1-73 |
| R. 2 | Operations with real numbers | all | $\begin{aligned} & 23,45-55,67-77, \\ & 85,99,111-121, \\ & 129,133-142 \text { all, } \\ & 143 \end{aligned}$ | $\begin{aligned} & 1-129,133-142 \text { all, } \\ & 143 \end{aligned}$ |
| R. 3 | Exponential notation and order of operations | all | $31,35,37,61,67,85$, $91,97,105,107,123$, 129 | $\begin{aligned} & 1-107,111-122 \text { all, } \\ & 123,129 \end{aligned}$ |
| R. 4 | Introduction to algebraic expressions | all | 7, 23, 25, 35, 37, 41 | $\begin{aligned} & 1-43,47-56 \text { all, } 57, \\ & 59 \end{aligned}$ |
| R. 5 | Equivalent algebraic expressions | all | $\begin{aligned} & 7-27,37,39,47,51, \\ & 55,59,63-63 \text { all } \end{aligned}$ | 5-59, 63-68 all |
| R. 6 | Simplifying algebraic expressions | all | $\begin{aligned} & 9,21,35,41,43,53, \\ & 57,65,67,93 \end{aligned}$ | $\begin{aligned} & 1-69,71-86 \text { all, } 91, \\ & 93 \end{aligned}$ |
| R. 7 | Properties of exponents and scientific notation | all | $\begin{aligned} & 11,19,29,37,61,65 \\ & -75,99,119,121 \\ & \hline \end{aligned}$ | $\begin{aligned} & 1-107,113-118 \text { all, } \\ & 119,121 \end{aligned}$ |
|  |  |  |  |  |
| Important Properties |  | Also review the definitions of the sets of real numbers on p2-5. Making and using flash cards are a great way to learn definitions. |  |  |
| Reinforce Concepts |  | True and false questions can be hard; don't be discouraged. |  |  |
| Ch R Test |  | No calculators and no checking answers until you have finished this practice test! Grade yourself; hard questions are worth 2 marks each and other questions are worth 1 mark each. If you are satisfied with the results, then you are ready for the Unit 1 Test. If you want more practice, choose from the suggestions below. |  |  |
| Homework for Unit 2 (Ch 1) |  |  |  |  |
| Unit 2 | Section | Margin Exercises | A Bit More Practice | Lots More Practice |
| 1.1 | Solving Equations | Start at \#9 | $\begin{aligned} & 33,35,47,77-83, \\ & 103 \end{aligned}$ | 13-83, 103 |
| 1.2 | Formulas and applications | All | 23-29, 35, 47-51 | 1-29, 35, 47-51 |
| 1.3 | Applications and problem solving | All | 1-31 | 1-31 |
| 1.4 | Sets, inequalities, and interval notation | All | $\begin{aligned} & 33,35,57-87,101, \\ & 105 \end{aligned}$ | 1-87, 101, 105 |
| 1.5 | Intersections, unions, and compound inequalities | All | $\begin{aligned} & 9,11,35,37,55,59-67, \\ & 69-78 \text { all, } 79-91 \end{aligned}$ | $\begin{aligned} & 1-67,69-78 \text { all, } 79 \\ & -91 \end{aligned}$ |


| 1.6 | Absolute-value equations and <br> inequalities | $1-19$ | $47-55,59,63,67$, <br> $109-116$ all |
| :--- | :--- | :--- | :--- |
| Concept Reinforcement | You may omit the Principles for Solving Inequalites Involving <br> Absolute Value at the bottom of the page. |  |  |
| Important Properties | No checking answers until you have finished the test! Grade <br> yourself; word problems and hard questions are worth 2 marks <br> Ch 1 Test $1-42$ <br> each and other questions are worth 1 mark each. If you are <br> satisfied with the results, then you are ready for the Unit 2 Test. If <br> you want more practice, choose from the questions below. |  |  |
| Review Exercises | Find questions in these exercises that are similar to the ones that <br> you had trouble with in the chapter test. |  |  |
|  |  |  |  |

Homework for Unit 3 (Ch 2) - No Calculator

| Unit 3 | Section | Margin Exercises | A Bit More Practice | Lots More Practice |
| :---: | :---: | :---: | :---: | :---: |
| 2.1 | Graphs of Equations | All | 45, 49 | $1-53,55-58$ all |
| 2.2 | Functions and Graphs | All | $\begin{aligned} & 5,9,19 \mathrm{c}, 19 \mathrm{f}, 25 \mathrm{f}, 31, \\ & 39,43,49,61,67-74 \\ & 75 \end{aligned}$ | $1-65,67-74$ all, 75 |
| 2.3 | Finding Domain and Range | All | $\begin{aligned} & 1,11,19,21,23,33, \\ & 37,41-50 \text { all } \end{aligned}$ | $1-39,41-50$ all |
| 2.4 | Linear Functions: Graphs and Slope | All | $\begin{aligned} & 15,17,19,27,33,37, \\ & 41-50 \text { all } \end{aligned}$ | 1-35, $39-47$ all |
| 2.5 | More on Graphing Linear Equations | All | $\begin{aligned} & 1-10,11,13,19,29, \\ & 33,35,39,47,55,71 \\ & -81 \end{aligned}$ | $1-55,71-81$ |
| 2.6 | Finding Equations of Lines; applications | All | $\begin{aligned} & 35,41,45-53,62, \\ & 63,65 \end{aligned}$ | $1-53,62,63,65$ |
| Concept Reinforcement |  |  |  |  |
| Important Properties |  | Also learn the definitions of function, domain and range and know the vertical line test |  |  |
| Ch 2 Test 1-36 |  | When you finish a test, check the answers and grade yourself. No peeking at the answers until you have completed a test. Use your calculator sparingly. |  |  |
| Review Exercises |  | All |  |  |

## Homework for Unit 4 (Ch 3)

| Unit 4 Section | Margin <br> Exercises |  | A Bit More Practice | Lots More Practice |
| :--- | :--- | :--- | :--- | :--- |
| 3.1 | Systems of Equation | $1-7$ | $3,13,15,21,23,25$, <br> 30 | $1-25,30$ |
| 3.2 | Solving by Substitution | All | $17,19,21,31,33$ | $1-21,27,31,33$ |
| 3.3 | Solving by Elimination | All | $13,21,25,27,29,31$, <br> 49,51 | $1-31,49,51$ |
| 3.4 a | Applied Problems in Two Variables <br> (Motion problems are only tested in Math <br> $073)$ | All | $5,7,11,13,15,17$, <br> $21,23,25,27$ | $1-39$ |
| 3.7 ab | Systems of Inequalities (omit c) | $1-6$ | $1-7,9,10$ <br> 17,25 | $1-7,9,10$ <br> $1-29$ |
|  |  |  |  |  |
| Concept Reinforcement | Know the meaning of consistent \& inconsistent systems of |  |  |  |
| Vocabulary and Rules |  |  |  |  |


|  | equations and dependent $\&$ independent equations |
| :--- | :--- |
| Chapter 3 Test | $1-11,13,15,16$ |
| Review Exercises | All |
|  |  |

## Homework for Unit 5 (Ch 4)

| Unit 5 | Section | Margin Exercises | A Bit More Practice | Lots More Practice |
| :---: | :---: | :---: | :---: | :---: |
| 4.1 | Introduction to polynomials and polynomial functions | All | 25, 29, 75, 79 | 1-29, 35-79 |
| 4.2 | Multiplication of polynomials | All | $\begin{aligned} & 41,43,75,79,81,89, \\ & 91,103 \end{aligned}$ | $1-91,103$ |
| 4.3 | Introduction to factoring | All | $\begin{aligned} & \hline 23,27,37-41,49, \\ & 57-64 \text { all, } 65,67, \\ & 75,77 \\ & \hline \end{aligned}$ | $\begin{aligned} & 11-49,57-64 \text { all, } \\ & 65,67,75,77 \end{aligned}$ |
| 4.4 | Factoring trinomials: $x^{2}+b x+c$ | All | 13, 17, 23, 25, 39 | 1-39 |
| 4.5 | Factoring trinomials: $\begin{gathered}a x^{2}+b x+c, \\ a \neq 1\end{gathered}$ | All | Start with the FOIL method (trial and error); switch to the ac-method as needed $33-51,69-81$ | $1-51,69-81$ |
| 4.6 | Special factoring | All | $\begin{aligned} & \text { Matching p378:1-} \\ & 10,27,29,41,51,59 \\ & -67,89,91,99,103, \\ & 105,125,131 \end{aligned}$ | $\begin{aligned} & \text { Matching p378: } 1-10 \text {, } \\ & 1-105,125,131 \end{aligned}$ |
| 4.7 | Factoring: a general strategy | All | $\begin{aligned} & 21-27,33,37,41- \\ & 53,59-69 \\ & \hline \end{aligned}$ | $1-53,59-69$ |
| Properties and Formulas |  | 1. classification of polynomials by the number of terms and degree <br> 2. squaring a binomial (in your head) <br> 3. factoring formulas (diff. of squares, sum/diff of cubes) <br> 4. Principle of Zero Products |  |  |
| Function | otation: Sections 2.2, 4.1, 4.2 | Study about evaluating functions or how to find function values, and also how to find x -values for which the function value is given. |  |  |
| Chapter 4 Test : All |  | No peeking at the answers until you have finished the test! Grade yourself; hard questions are worth 2 marks each and the other questions are worth 1 mark each. If you are satisfied with the results, then great! If you want more practice, choose from the suggestions below. |  |  |
| Review E | ercises | All |  |  |

## Homework for the Final Exam

- Work through the Cumulative Review questions. If you are having trouble with a question, return to that objective and redo some extra problems
- The first part (about $40 \%$ ) of the final exam is done without calculator and the second part (about $60 \%$ ) is done with calculator. There are no rewrites for the final exam.

| Word Problems | Sections 1.3, 1.4, 2.6, 3.2, 3.3, 3.4, 3.8, 4.8 |
| :--- | :--- |
| Rearranging Formulas | Section 1.2 |
| Exponent Rules | Sections R.7 |
| Function Notation <br> Sections 2.2, 4.1, 4.2 | Sections 2.2, 4.1, 4.2 |

## Access Math Lab:

## Calculator Policy:

## Course Objectives: The four very ambitious objectives of the course are:

- To learn the basic algebra skills necessary to be successful both in your chosen field of study and in future math courses. This involves learning the vocabulary, notation, rules, and techniques of intermediate algebra, as well as solving applied problems.
- To do basic arithmetic without a calculator.
- To learn to write mathematics correctly.
- To be able to explain the concepts involved in problem solving.


## Assessment (Grades)

Your mark is based on 5 tests and an exam. If you get less than $65 \%$ on a test you must rewrite it. If you get more than $65 \%$ you have the option of rewriting it once. All test marks will count towards your final mark. To re-register for the course for one extra term, you must have at least $75 \%$ of the work done or at least have $75 \%$ attendance.

You can choose to write the tests when you feel you are ready. It is strongly recommended that you complete the suggested homework and do the Summary \& Review and the Chapter Test which accompanies each unit. You must get permission of your instructor to write the test and final exam.

All tests and the final exam is written in the math lab in E342 during math lab hours which are posted on the math lab door and on my website. Please be aware that lab hours may change during the term due to staff availability. Please allow one and a half hours to write the tests and 3 hours to write the final exam. If you want to complete the course in one term, you should plan to write a test every 2-3 weeks.

| Grade Calculation: | 5 Tests | $50 \%$ |
| :--- | :--- | :--- |
|  | Final Exam | $50 \%-100 \% *$ |

- If your term work is complete and your final exam mark is higher than your term grade, then your final exam may count for $100 \%$ of your course grade.
- There is no rewrite for the final exam. If the average of your term mark and your exam mark is not high enough to proceed into Math 073 or your chosen program, then you need to repeat Math 072 . But, don't be discouraged. It will likely go much quicker the second time through.


## Grade Scale:

| $0-49$ | $50-59$ | $60-64$ | $65-69$ | $70-72$ | $73-76$ | $77-79$ | $80-84$ | $85-89$ | $90-100$ |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| F | $\mathbf{D}$ | $\mathbf{C}$ | $\mathbf{C}+$ | $\mathbf{B}-$ | $\mathbf{B}$ | $\mathbf{B}+$ | $\mathbf{A}-$ | $\mathbf{A}$ | $\mathbf{A}+$ |

NS You will be assigned a "no show" grade if you do not attend the first class and you do not contact your instructor within two days of the first class. Your seat may have been given away to a waitlisted student. If room is available, you may re-register for the course with permission of the instructor.

W If you find that you are too busy to work on the course, then you need to officially withdraw before July $\mathbf{1 0}$ to avoid getting an F for the course.

IP An "in-progress" grade is only given in self-paced courses. If you have not finished the course at the end of the term but have attended at least $75 \%$ of the classes or have successfully completed at least 3 unit tests that term, then you may be awarded an IP grade. You may only receive two IP grades for a course; the third time you register for the course, you will be assigned an F if you do not complete the course.
"Never mistake knowledge for wisdom. One helps you make a living, the other helps you make a life." Good luck this term!!!

## Good Luck

The School of Access asks that we provide you with the following addition information.
Academic Progress: The College has an academic progress policy to improve your likelihood of success. To view the policy, see Sec E-1.1 on the policy webpage www.camosun.bc.ca/policies.html.

## Learning Support

## Student Conduct

There are a variety of services available for to assist you throughout your learning. This information is available in the College calendar, at Student Services or the college web site at camosun.ca.

There is a Student Conduct Policy which includes plagiarism. It is your responsibility to become familiar with the content of this policy. The policy is available in each School Administration Office, at Student Services and on the College web site in the Policy Section www.camosun.bc.ca/policies/policies.html.

## Suggested Pacing Schedules

- Please note that you can take up to 2 terms to complete a course if you need it.
- Some chapters may require more time, others less. You can write tests anytime the math lab is open, not just on class days.


## SUGGESTED SCHEDULE TO COMPLETE IN ONE TERM

| Wk |  | Monday | Tuesday | Wednesday | Thursday | Friday |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1 | May | 6 <br> Classes start R. 1 | $7 \begin{array}{ll}7 \\ & \text { R. } 1\end{array}$ | $\begin{array}{ll} \hline 8 & \\ & \text { R. } 2 \end{array}$ | $\begin{array}{ll} \hline 9 & \\ & \text { R. } 2 \end{array}$ | $\begin{array}{ll} \hline 10 & \\ & \text { R. } 3 \end{array}$ |
| 2 |  | $\begin{array}{ll} \hline 13 & \\ & \text { R. } 3 \end{array}$ | $\begin{array}{ll} \hline 14 & \\ & \text { R. } 4 \end{array}$ | $\begin{array}{ll} \hline 15 & \\ & \text { R. } 4 \\ \hline \end{array}$ | $\begin{array}{ll} \hline 16 & \\ & \text { R. } 5 \end{array}$ | $\begin{array}{ll} \hline 17 & \\ & \text { R. } 5 \end{array}$ |
| 3 |  | $\begin{aligned} & \text { Victoria Day } \end{aligned}$ | $\begin{array}{ll} \hline 21 & \\ & \text { R. } 6 \end{array}$ | $\begin{array}{ll} \hline 22 & \\ & \text { R. } 7 \end{array}$ | $\begin{array}{ll} \hline 23 & \\ & \text { R. } 7 \end{array}$ | $\begin{aligned} & 24 \\ & \text { Review Ch R } \end{aligned}$ |
| 4 |  | $27 \text { Unit } 1 \text { Test }$ | $\begin{array}{ll} \hline 28 & \\ & 1.1 \end{array}$ | $\begin{array}{ll} \hline 29 & \\ & 1.2 \end{array}$ | $\begin{array}{ll} \hline 30 & \\ & 1.3 \end{array}$ | $\begin{array}{ll} \hline 31 & \\ & 1.3 \end{array}$ |
| 5 | June | $\begin{array}{ll} \hline 3 & \\ & 1.4 \end{array}$ | $4 \begin{array}{ll}4 \\ \\ & 1.5\end{array}$ | 51.6 | $\begin{array}{ll}6 & \\ & 1.6\end{array}$ | $\begin{aligned} & \hline 7 \\ & \text { Review Ch } 1 \end{aligned}$ |
| 6 |  | $\begin{aligned} & 10 \\ & \text { Review Ch } 1 \end{aligned}$ | $11 \text { Unit } 2 \text { Test }$ | $\begin{array}{ll} \hline 12 & \\ & 2.1 \end{array}$ | $13 \begin{aligned} & \\ & \\ & 2.1,2.2 \end{aligned}$ | $\begin{array}{ll} \hline 14 \quad 2.2 \end{array}$ |
| 7 |  | $\begin{array}{ll} \hline 17 & \\ & 2.3 \end{array}$ | $\begin{array}{ll} \hline 18 & \\ \hline \end{array}$ | $\begin{array}{ll} \hline 19 & \\ & 2.5 \end{array}$ | $20 \quad 2.6$ | $\begin{array}{ll} \hline 21 \quad 2.6 \end{array}$ |
| 8 |  | $\begin{aligned} & 24 \\ & \text { Review Ch } 2 \end{aligned}$ | $\begin{aligned} & 25 \\ & \text { Review Ch } 2 \end{aligned}$ | $\begin{aligned} & 26 \\ & \text { Unit } 3 \text { Test } \end{aligned}$ | $27 \quad 3.1$ | $\begin{array}{ll} \hline 28 \quad 3.2 \end{array}$ |
| 9 | July | 1 College Closed | $\begin{array}{ll} \hline 2 & \\ \hline \end{array}$ | $\begin{array}{ll} \hline 3 & \\ & 3.4 \end{array}$ | $\begin{array}{ll} \hline 4 & \\ & 3.7 \end{array}$ | $5$ $3.7$ |
| 10 |  | $8$ <br> Review Ch 3 | $9$ <br> Review Ch 3 | ${ }^{10} \text { Unit } 4 \text { Test }$ | $11 \quad 4$ | $\begin{array}{ll} \hline 12 & \\ & 4.1 \end{array}$ |
| 11 |  | $15 \quad 4.2$ | $\begin{array}{ll} \hline 16 & \\ & 4.3 \end{array}$ | $\begin{array}{ll} \hline 17 & \\ \hline \end{array}$ | $\begin{array}{ll} \hline 18 \quad 4.5 \end{array}$ | $\begin{array}{ll} \hline 19 & \\ & 4.5 \end{array}$ |
| 12 |  | $22 \quad 4.6$ | $23 \quad 4.6$ | $24 \quad 4.6$ | $25 \quad 4.7$ | $\begin{aligned} & 26 \\ & \text { Review Ch } 4 \end{aligned}$ |
| 13 |  | $\begin{aligned} & \hline 29 \\ & \text { Review Ch } 4 \end{aligned}$ | $\begin{aligned} & 30 \\ & \text { Review Ch } 4 \end{aligned}$ | $31 \text { Unit } 5 \text { Test }$ | 1 <br> Review for Final Exam | 2 <br> Review for Final Exam |
| 14 | Aug | 5 <br> British Columbia Day | 6 <br> Review for Final Exam | $7$ <br> Review for Final Exam | 8 <br> Review for Final Exam | 9 <br> Review for Final Exam |
| 15 |  | Aug 12-16 <br> Catch-up week; last chance to write a test or final exam is Thursday Aug. 15. |  |  |  |  |

My Math 072 Pacing Schedule Spring/Summer 2013

| Wk |  | Monday | Tuesday | Wednesday | Thursday | Friday |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1 | May | 6 | 7 | 8 | 9 | 10 |
| 2 |  | 13 | 14 | 15 | 16 | 17 |
| 3 |  | $20 \text { Victoria Day }$ | 21 | 22 | 23 | 24 |
| 4 |  | 27 | 28 | 29 | 30 | 31 |
| 5 | June | 3 | 4 | 5 | 6 | 7 |
| 6 |  | 10 | 11 | 12 | 13 | 14 |
| 7 |  | 17 | 18 | 19 | 20 | 21 |
| 8 |  | 24 | 25 | 26 | 27 | 28 |
| 9 | July | 1 <br> College closed | 2 | 3 | 4 | 5 |
| 10 |  | 8 | 9 | 10 | 11 | 12 |
| 11 |  | 15 | 16 | 17 | 18 | 19 |
| 12 |  | 22 | 23 | 24 | 25 | 26 |
| 13 |  | 29 | 30 | 31 | 1 | 2 |
| 14 | Aug | $\begin{aligned} & \text { British Columbia } \end{aligned}$ Day | 6 | 7 | 8 | 9 |
| 15 |  | Aug 12-16 <br> Catch-up week; last chance to write a test or final exam is Thursday Aug. 15. |  |  |  |  |

# Lansdowne Self-paced Courses Spring/Summer 2013 

## Instructor Information

Instructor: Gemma Cuizon
Lansdowne Office: E250
Phone: 370-3321
Office Hours: 5:00pm-5:20pm (E250) Mon. \& Wed.
E-mail: cuizon@camosun.bc.ca

## Tips for Success

1. Come to class every day. If you don't attend class, it's easy to fall behind and much tougher to catch up as you have to relearn the material.
2. Do the suggested exercises from your course outline. Work through the problems thoughtfully, not just to get them done. Think about what the instruction means, what a similar question might look like on the test and what are some of the pitfalls that you need to avoid.
3. Try to find time to do at least a bit of math at least 5 days a week. On your timetable, schedule time each day for your math homework; it is really important to establish a routine. You can't put your math course on the back burner and hope to cram it in at the end.
4. Do the questions thoughtfully rather than just trying to get them over with! Think about the principles and strategies involved.
5. If you don't understand something seek help right away from your instructor or from the tutors in the Math lab in E224 and E342.
Math lab hours: Mon - Friday $10: 30 \mathrm{pm}-2: 30 \mathrm{pm}$ (E224)
Mon - Thursday $\quad 5: 00 \mathrm{pm}-8: 00 \mathrm{pm}$ (E342)
6. Keep working, stay positive and do the best you can given all the other demands in your life.

## Class Protocol

1. Sign in so your instructor knows that you're attending.
2. Bring your textbook, calculator and work materials to every class.
3. Work quietly. I encourage you to help each other but please keep the noise level down and keep cell phones on vibrate mode. If you would like to work with a partner or in a group, please feel free to use the math lab. If you would like to take a break from math (and this is totally understandable) please chat outside the classroom.
4. If you bring snacks to class please tidy up afterwards. Let me know if you have any relevant allergies. Thanks.
5. If you need help and I'm with another student, please put your name on the board so I know you're waiting. If others are waiting, I may have to limit the time I spend with you e.g. 2 questions at a time.
6. When doing the exercises, label each question clearly, write out the question and show your work. This makes it easy to review for the test and to get help if you don't understand.
7. If you have trouble with an exercise, highlight the question and make a note in your margin about what you don't understand. When you ask for help in class, bring the question and your work for the instructor to see. Be organized!
