

## MATH 30-57 (2762)

### ELEMENTARY ALGEBRA

**Meets:** Monday-Thursday

**Time:** 1:00PM-2:50PM

**Room:** OC3509

#### INSTRUCTOR CONTACT INFORMATION AND OFFICE HOURS

**Instructor:** Shannon Gracey

**Phone:** 760-757-2121 ext. 6306

**e-mail:** [sgracey@miracosta.edu](mailto:sgracey@miracosta.edu)      **website:** [www.mathchick.net](http://www.mathchick.net)

**Office Hours:** Tuesdays and Thursdays from 11:55AM-12:55PM in room OC3622, or by appointment. You may make an appointment by e-mailing me, using the contact info written above.

#### REQUIRED COURSE MATERIALS

- π **MyMathLab access code** (see last page of syllabus)
- π **Elementary Algebra Guided Notebook** by Shannon Gracey (available for purchase in the bookstore, or if you prefer to print out 200 pages you may access the file at [http://mathchick.net/SWC/MATH%20830/m30guidednotebook\\_sp14.PDF](http://mathchick.net/SWC/MATH%20830/m30guidednotebook_sp14.PDF). Be patient...it is a large file.
- π **One 3-ring binder** which will hold 225 pages (at least 1½ inches).
- π **Calculator:** A scientific calculator is REQUIRED. Not all exams permit calculators. Cell phone calculators, iPADS, and IPOD Touch **may not be used** on exams.

#### STUDENT LEARNING OUTCOMES

Upon successful completion of Math 30, the student should be able to:

1. Students will be able to make use of factoring techniques, solve quadratic equations by factoring, and make use of factoring to simplify rational expressions.
2. Students will be able to translate English phrases into algebraic expressions and equations, and solve applied problems.
3. Students will be able to perform operations related to linear equations in two variables, solve systems of linear equations, and solve applications which can be modeled using systems of linear equations.

#### PREREQUISITES

The prerequisite for Math 30 is completion of Math 20 with a grade of "C" or better, or a qualifying score on the Math Competency Exam (MCE).

## COURSE DESCRIPTION

Designed to prepare students for Intermediate Algebra. Elementary Algebra teaches simplifying algebraic expressions involving polynomials and rational terms; factoring; solving linear equations; solving quadratic equations using factoring; analyzing graphs of linear equations; and solving applied problems. This course will also include an introduction to algebraic operations with rational expressions.

## QUESTIONS

Questions are an important part of the learning process. If you have a question, please feel free to ask at any time during class, or you may email me. I generally return emails sent to [sgracey@miracosta.edu](mailto:sgracey@miracosta.edu) within 48 hours (Sunday through Thursday) and within 72 hours (Friday and Saturday). If you do not receive a response, please re-send the email.

## COURSE OBJECTIVES

At the end of this course you should be able to...

- (1) evaluate and simplify algebraic expressions using the rules of exponents, order of operations, combining like terms, and the distributive property
- (2) add, subtract, multiply and divide using either monomials or polynomials;
- (3) solve a linear equation or inequality and check the solution;
- (4) analyze verbal problems, model with appropriate equations, substitute the known values, solve the resulting equations, and interpret the result in the context of the problem;
- (5) factor polynomials;
- (6) simplify, multiply and divide rational expressions;
- (7) graph first degree equations in two variables;
- (8) write an equation for a given line, identify the slope of a line; and
- (9) solve quadratic equations by factoring.

## HOMEWORK

- Homework will be online via MyMathLab
- Due dates will be available through MyMathLab
- In order to be successful in this course, YOU MUST PRACTICE MATH PROBLEMS!!!
- **The due dates for homework are a guideline for you, so that you stay on track. There is no penalty for late homework.**

## ATTENDANCE

Each student is responsible for his/her registration in classes. Each student must attend the first class meeting and enroll in MyMathLab by 1/14/14 by 11:59 PM in order to avoid being dropped from the course. MML offers a 17 day free trial period, if you do not have the funds to purchase the access code immediately available. The last page of the syllabus provides instructions for enrollment. Failure to complete homework assignments, in-class assignments, quizzes, and/or exams may result in a student being dropped from this class.

## BEHAVIOR

- **CHEATING ON ANY TEST OR QUIZ WILL EARN A GRADE OF F!!!  
PLAGIARISM (COPYING) OF OTHER PEOPLE'S WORK IS NOT ACCEPTABLE.  
Any person caught doing this will get an F on the assignment or test in question and can also potentially be given a grade of F for the course and/or be referred to the college discipline process.**
- You may not use your cell phone as a calculator during class at any time.
- **RESPECT YOUR FELLOW STUDENTS AT ALL TIMES!!!**

## DISABLED STUDENTS PROGRAM AND SERVICES

MiraCosta College provides programs and services for students with disabilities. MiraCosta College recommends that students with disabilities discuss academic accommodations with their professors during the first two weeks of class. This syllabus and course handouts are available in alternate media upon request.

## TUTORING

The Math Learning Center is located in the Library and Information HUB on the 1<sup>st</sup> floor. Spring hours are as follows:

**Oceanside:** 760.757.2121 x6381

M.-Th. 9am-9pm, Friday 9am-3pm, Sat. 12pm-5pm

**San Elijo:** 760.757.2121 x7781

M.-Th. 9:30am-8pm, Friday 9:30am-3pm, Sat.  
Closed

The Tutoring & Academic Support Center (TASC) is committed to enhancing student retention and success by providing assistance to students through innovative academic support services. TASC offers a comprehensive, free peer tutoring program for any student enrolled in credit courses at MiraCosta College. Tutoring is available in the Library and Information HUB on the 1st Floor.

**GRADING (we will set the percentages the first day of class)**

Exams (3) .....	<b>40%</b>
Quizzes (3).....	<b>20%</b>
<b>HOMEWORK (AVAILABLE ON Pearson MyLab) .....</b>	<b>15%</b>
<b>Final.....</b>	<b>25%</b>

A: 90%—100% B: 80%— 89% C: 70%— 79% D: 60%— 69% F: 59% and below  
*Final grades are left to the discretion of the instructor.*

**GRACEY/MATH 30 TENTATIVE SPRING 2014 SCHEDULE**

MONTH	MONDAY	TUESDAY	WEDNESDAY	THURSDAY
<b>JANUARY</b>	<b>13</b>	<b>14</b>	<b>15</b>	<b>16</b>
	Intro, 1.8	2.1-2.2	REVIEW	2.3 <b>QUIZ 1/ CHAPTER 1(online due at noon)</b>
<b>JANUARY</b>	<b>20</b>	<b>21</b>	<b>22</b>	<b>23</b>
	HOLIDAY	2.4-2.5	2.6-2.7	<b>REVIEW</b>
<b>JANUARY</b>	<b>27</b>	<b>28</b>	<b>29</b>	<b>30</b>
	<b>EXAM 1/ CHAPTERS 1-2</b>	3.1-3.2	3.3-3.4	3.5
<b>FEBRUARY</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>
	REVIEW	4.1-4.2 <b>QUIZ 2/ CHAPTER 3 (online due at noon)</b>	4.3-4.4	REVIEW
<b>FEBRUARY</b>	<b>10</b>	<b>11</b>	<b>12</b>	<b>13</b>
	<b>EXAM 2/ CHAPTER 3-4</b>	5.1-5.2	5.3-5.4	5.5-5.6
<b>FEBRUARY</b>	<b>17</b>	<b>18</b>	<b>19</b>	<b>20</b>
	HOLIDAY	5.7	REVIEW	6.1-6.2 <b>QUIZ 3/ CHAPTER 5 (online due at noon)</b>
<b>FEBRUARY</b>	<b>24</b>	<b>25</b>	<b>26</b>	<b>27</b>
	6.3-6.4	6.5-6.6	REVIEW	<b>EXAM 3/ CHAPTERS 5-6</b>
<b>MARCH</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>
	7.1	7.2-7.3	REVIEW	<b>FINAL PART 1</b>
<b>MARCH</b>	<b>10</b>	<b>11</b>	<b>12</b>	<b>13</b>
	<b>SPRING BREAK</b>	<b>SPRING BREAK</b>	<b>SPRING BREAK</b>	<b>SPRING BREAK</b>
<b>MARCH</b>	<b>17</b>	<b>18</b>	<b>19</b>	<b>20</b>
	REVIEW	<b>FINAL PART 2</b>		

**To register for Math 30 Accelerated/Revised Spring 2014:**

1. Go to [pearsonmylabandmastering.com](http://pearsonmylabandmastering.com).
2. Under Register, click **Student**.
3. Enter your instructor's course ID: [gracey40266](#), and click **Continue**.
4. Sign in with an existing Pearson account or create an account:
  - If you have used a Pearson website (for example, MyITLab, Mastering, MyMathLab, or MyPsychLab), enter your Pearson username and password. Click **Sign in**.
  - If you do not have a Pearson account, click **Create**. Write down your new Pearson username and password to help you remember them.
5. Select an option to access your instructor's online course:
  - Use the access code that came with your textbook or that you purchased separately from the bookstore.
  - Buy access using a credit card or PayPal.
  - If available, get 14 days of temporary access. (Look for a link near the bottom of the page.)
6. Click **Go To Your Course** on the Confirmation page. Under MyLab & Mastering New Design on the left, click **Math 30 Accelerated/Revised Spring 2014** to start your work.

**Retaking or continuing a course?**

If you are retaking this course or enrolling in another course with the same book, be sure to use your existing Pearson username and password. You will not need to pay again.

**To sign in later:**

1. Go to [pearsonmylabandmastering.com](http://pearsonmylabandmastering.com).
2. Click **Sign in**.
3. Enter your Pearson account username and password. Click **Sign in**.
4. Under MyLab & Mastering New Design on the left, click **Math 30 Accelerated/Revised Spring 2014** to start your work.

**Additional Information**

See **Students > Get Started** on the website for detailed instructions on registering with an access code, credit card, PayPal, or temporary access.