

## MATH 64-27 (2186)

### INTERMEDIATE ALGEBRA

**Meets:** Wednesday

**Time:** 11:00AM-12:50PM

**Room:** OC3508

PLUS APPROXIMATELY 2 HOURS ONLINE AT YOUR CONVENIENCE

### 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 12:00PM-1:00PM 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 **Intermediate Algebra Guided Notebook** by Shannon Gracey (available for purchase in the bookstore, or if you prefer to print out 128 pages you may access the file at [http://mathchick.net/SWC/MATH%2064/m64\\_guidednotebook\\_fa\\_14.PDF](http://mathchick.net/SWC/MATH%2064/m64_guidednotebook_fa_14.PDF). Be patient...it is a large file.
- 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.

### PREREQUISITES

The prerequisite for Math 64 is completion of Math 30 with a grade of "C" or better, or a qualifying score on the Math Competency Exam (MCE).

### STUDENT LEARNING OUTCOMES

Upon successful completion of Math 64,

1. Students will be able to solve a variety of equations and determine the validity of solutions.
2. Students will be able to utilize function notation, determine the domain and range, perform the algebra of functions and compose functions.
3. Students will be able to analyze and graph linear and quadratic functions.

## COURSE DESCRIPTION

This algebra course covers radicals, exponents, rational expressions, concepts of relations and functions, exponential and logarithmic functions, linear and quadratic functions, and the solutions of equations from these topics.

## PERFORMANCE OBJECTIVES

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

- 1). Classify equations by type (linear, quadratic, rational, radical, exponential, or logarithmic) and solve by applying the appropriate technique
- 2). Simplify expressions involving radicals, algebraic fractions, exponents, logarithms, and complex numbers
- 3). Graph linear and quadratic functions, identify intercepts, and find the vertex of a parabola
- 4). Analyze verbal problems, model with appropriate functions, substitute the known values, and solve the resulting equations
- 5). Identify relations that are functions and determine the domain of a given relation or function.

## QUESTIONS

Questions are an important part of the learning process. If you have a question, please feel free to ask at any time. 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.

## EXAMS AND QUIZZES

Quiz I (online—not proctored):	Chapter 7.4-7.7	Sunday 8/31/14 completed 11:59PM
Quiz II (online—not proctored):	Chapter 8	Sunday 9/14/14 completed by 11:59
Quiz III (online—not proctored):	Chapter 10.1-10.4	Sunday 10/15/14 completed by 11:59PM
Quiz IV (online—not proctored):	Chapter 12	Sunday 11/23/14 completed by 11:59PM

**\*Quizzes are online via MyMathLab. Technology issues are not an excuse for incomplete quizzes as you have access to computers on campus.**

**\*\*No make-ups will be granted.**

Exam I (in class):	Chapter 8-9.3	Wednesday 9/24/14
Exam II (in class):	Chapter 10	Wednesday 10/15/14
Exam III (in class):	Chapter 11	Wednesday 11/5/14

Final (in class): Chapter 12, 13.1, 13.2 Wednesday, 12/10/14, from 11:30AM-1:30PM

## GUIDED NOTEBOOK

You are required to print or purchase the Intermediate Algebra Guided Notebook. This is intended to represent the "lecture" portion of the course. The notebook is due each time you take an exam, and will be returned when the exams are returned. **Only turn in the chapters from the guided notebook that are being collected.**

Chapters 8-9.3:	Due Wednesday 9/24/14
Chapters 10:	Due Wednesday, 10/15/14
Chapter 11:	Due Wednesday 11/5/14

## 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.**

## WORK IN CLASS

There will be in-class activities due at the end of each class. In-class work cannot be made up.

## ATTENDANCE

Each student is responsible for his/her registration in classes. Each student must attend the first class and enroll in MyMathLab (MML) by 8/19/14 at 11:59 PM. MML offers a 17 day free trial period, if you do not have the funds to purchase the access code immediately available. If you use the free trial, you must purchase the MML code by 9/3/14 to avoid being dropped from the course. 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.

## 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. Hours may be found at

<http://www.miracosta.edu/instruction/mathematics/mathlearningcenter.html>.

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 FINALIZE IN CLASS)

Exams (3).....	40%
Quizzes (3).....	10%
HOMEWORK (AVAILABLE ON Pearson MyLab) .....	10%
In-Class Assignments.....	10%
Guided Notebook (due when you take each exam).....	10%
Final (CH. 12, 13.1, 13.5).....	20%

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.*

### FALL

Aug 15 All-College Day  
Aug 18 Classes Begin  
Aug 29 Last Day to Add Classes  
Aug 29 \*No \*W\* Deadline  
Sept 2 First Census  
Sept 22 \*\*30% Pass/No Pass Deadline  
Nov 14 \*\*\*75% Withdrawal Deadline  
Dec 8-13 Final Exams  
Dec 24-Jan 1 Campus Closed

**To register for MATH 64 HYBRID/FALL 2014:**

1. Go to [pearsonmylabandmastering.com](http://pearsonmylabandmastering.com).
2. Under Register, click **Student**.
3. Enter your instructor's course ID: [gracey63953](#), 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 64 HYBRID/FALL 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 64 HYBRID/FALL 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.