

College Algebra and Elementary Trigonometry - MTH 28, Sec. 010

Professor: Dr. Luis Fernández

Class times and room: Tu–Th 09:00am to 12:40pm, NL 106.

Course page: <http://fsw01.bcc.cuny.edu/luis.fernandez01/>

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Office hours: Tu 1–2pm, Th 1–2pm.

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Some resources for learning

- **Classes:** Attendance is mandatory, and essential to succeed in the class. In class you will have time to learn new material, practice, and ask questions.
- **Free tutoring:** In room CPH 303 there are permanent tutors for all Developmental Math courses. Opens 10am to 8pm Monday to Friday, 10am to 3pm weekends. You can also get online tutoring—check in Blackboard.
- **Meetings with the instructor:** If you need help with any part of the course, or for any other matters, please come to my office during office hours (above) or write me an email to set up an appointment in person or online.
- **Emailing the instructor:** If you have questions while doing homework and need help quickly, please email me anytime (address above).

Textbook

- *Intermediate Algebra 2e*, by Lynn Marecek and Andrea Honeycutt Mathis. Free download at OpenStax: <https://openstax.org/details/books/intermediate-algebra-2e>
- *Precalculus* by Jay Abramson. Free download at OpenStax: <https://openstax.org/details/books/precalculus>

Students' obligations and responsibilities

- Obtain all the material necessary for the class in the first week.
- Study and learn the material, using any resource to achieve this goal.
- Attend, be on time, be involved, and have an active participation in every class.
- Do and submit all the homework assignments in time.
- Treat peers and instructor in a respectful manner.

Instructor's obligations and responsibilities

- Act as *facilitator* of the learning process of the students, and assist with any question that students may have.
- Give tests and exams of appropriate difficulty. Grade tests and exams promptly and explain the students the meaning of their grades.
- Treat the students respectfully and impartially.

Classroom Rules

- **Students with 6 absences or more will automatically receive an F (Fail) in the course.** Lateness of 30 minutes or more will count as an absence.
- There will be a break in the middle of each class. Students will be allowed to use cell phones during breaks.
- **Tests will not be repeated.** The only **exception** is if the instructor receives **notice** of the absence (via e-mail, telephone, message, a friend,...) **on or before the day of the test or quiz.**

Exams and homework

- **Two Midterms:** Each counts a **20%** of the final grade. Only the best two will count, totalling **40%** of the final grade.
- **Homework and quizzes:** Homework will be assigned each day. It is your obligation to **do the homework online via WebWork**, plus the exercises and quizzes assigned in class. It will count **20%** of the final grade.
- **Final exam:** It will count **40%** of the final grade.

Academic Integrity:

Academic dishonesty (such as plagiarism and cheating) is prohibited at Bronx Community College and is punishable by penalties, including failing grades, dismissal and expulsion. For additional information and the full policy on Academic Integrity, please consult the BCC College Catalog.

Accommodations/Disabilities:

Bronx Community College respects and welcomes students of all backgrounds and abilities. In the event you encounter any barrier(s) to full participation in this course due to the impact of a disability, please contact the disAbility Services Office as soon as possible this semester. The disAbility Services specialists will meet with you to discuss the barriers you are experiencing and explain the eligibility process for establishing academic accommodations for this course. You can reach the disAbility Services Office at: disability.services@bcc.cuny.edu, Loew Hall, Room 211, (718) 289-5874.

Class plan and assigned exercises. MTH 28. Professor Luis Fernández

Use this as a guide to find out what is done in each class and what is the homework assigned each day.
You will have **one week** for each Webwork assignment.

Date	Section number from textbook AND WebWork assignment	Recommended exercises from textbook
	Chapter 3 Graphs and Functions	
Mo 6/1	3.5 Relations and Functions Chapter 6 Factoring 6.1 Greatest Common Factor and Factor by Grouping	p. 328: 299-302, 307-332 p. 582: 9-50
Tu 6/2	6.2 Factor Trinomials 6.3 Factor Special Products	p. 600: 61-130, 135-152 p. 615: 159-190, 213-220
We 6/3	6.4 General Strategy for Factoring Polynomials 6.5 Polynomial Equations	p. 625: 233-246, 249-256 p. 641: 277-326
Th 6/4	Chapter 7 Rational Expressions and Functions 7.1 Multiply and Divide Rational Expressions 7.2 Add and Subtract Rational Expressions	p. 666: 1-24, 29-44, 49, 50 p. 682: 75-142
Mo 6/8	7.3 Simplify Complex Rational Expressions 7.4 Solve Rational Equations	p. 695: 151-194 p. 709: 197-230
Tu 6/9	REVIEW for MIDTERM 1. Chapters 7 and 8.	
We 6/10	MIDTERM 1 (2 hours). Chapter 7. Chapter 8 Roots and Radicals 8.1 Simplify Expressions with Roots 8.2 Simplify Radical Expressions	p. 771: 1-15, 19-22 p. 789: 55-65
Th 6/11	8.4 Add, Subtract, and Multiply Radical Expressions 8.5 Divide Radical Expressions	p. 818: 165-168, 183-186, 191-214(a) p. 832: 245, 246, 259-262, 271-282
Mo 6/15	8.6 Solve Radical Equations 8.3 Simplify Rational Exponents	p. 846: 287-304, 315-326 p. 805: 119-162
Tu 6/16	8.8 Use the Complex Number System Chapter 9 Quadratic Equations and Functions 9.3 Solve Quadratic Equations Using the Quadratic Formula	p. 868: 409-412 p. 923: 113-136
We 6/17	9.1 Solve Quadratic Equations Using the Square Root Property 9.2 Solve Quadratic Equations by Completing the Square	p. 893: 1-30 p. 909: 75-101
Th 6/18	REVIEW FOR MIDTERM 2. Chapters 8 and 9.	
Mo 6/22	MIDTERM 2 (2 hours). Chapters 8 and 9. PRECALCULUS TEXT Chapter 5 Trigonometric Functions 5.4 Right Triangle Trigonometry	p. 495: 10-41, 52-56
Tu 6/23	Review.	
We 6/24	FINAL EXAM	