
MATH 103

Intermediate Algebra

Overview

Continued development of fundamental concepts with additional topics including functions, rational expressions, absolute value equations and inequalities, rational exponents, radical expressions, quadratic equations, and complex numbers.

Learning Objectives

Upon completion of the course, the student should be able to:

- Solve the following equations: linear equations, absolute value equations, quadratic equations, equations containing rational expressions, equations containing radical expressions.
- solve linear and absolute value inequalities.
- graph linear and quadratic functions and linear inequalities.
- reduce, add, subtract, multiply and divide rational expressions.
- simplify a complex fraction, radical expressions, and expressions with rational exponents.
- add, subtract, multiply and divide radical expressions and complex numbers.

Evaluation

Grade will be comprised of a series of quizzes for each major section, and then a mid-term and a final exam.

- Quizzes (50%)
- Midterm Exam (25%)
- Final Exam (25%)

Fall
MWF 9AM – 10AM

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Textbook

Algebra, 10th Edition, by Margaret L. Lial. (Available in bookstore)

Milestones

Week 6

Midterm Exam – Comprehensive for all material covered in the first 5 weeks.

Week 12

Final Exam Review Session

Finals Week

Final Exam – Thursday 10AM