

Math 140

[Class 1](#)

Wednesday, January 20
Course Overview, Simplifying Algebraic Expressions, Review of Linear Equations

Class 2 - [Part 1](#), [Part 2](#)

Monday, January 25
Factoring out the GCF and the Difference of Squares Theorem

[Class 3](#)

Wednesday, January 27
Completing the Square: Part 1, Part 2

[Class 4](#)

Monday, February 1
The Real Number System, Fractions and Decimals

[Class 5](#)

Wednesday, February 3
Square Root of 2 is irrational, Radical Expressions (started)

[Class 6](#)

Monday, Feb 8
Exponential Expressions, Completing the Square 3 and 4, Smallest Value of a Quadratic Expression

Class 7 - Exam 1

[Class 8](#)

Wednesday, Feb 17
The Golden Mean, Graphing a Parabola - Part 1, Rational Exponents

[Class 9](#)

Monday, Feb 22
Logarithms 1, Graphical Solutions

[Class 10](#)

Wednesday, Feb 24
Exponential Expressions, Graphical Solutions, Summation (started)

[Class 11](#)

Monday, March 1
A Quadratic Word Problem, Logarithms 1.5, Functions (started)

[Class 12](#)

Wednesday, March 3
Summation (finished), Standard Labeling and the Triangle Inequality, Pythagorean Theorem

[Class 13](#)

Monday, March 8
the Distance Formula, Graphing a Parabola 2

Class 14 - Exam 2

[Class 15](#)

Monday, March 15
Quadratic Inequalities, Optimization, Circles - Part 1

[Class 16](#)

Wednesday, March 17
Basic Exponential and Logarithmic Equations, Writing Equations of Lines, Non-Linear Systems

[Class 17](#)

Monday, March 22
Intersecting Circles, the Superscribed Circle. Logarithms 2

[Class 18](#)

Wednesday, March 24
Logarithms 2 (finished), Arithmetic Sequences

[Class 19](#)

Monday, April 5
Rational Inequalities, Radical Equations, Introduction to Construction, The Thales Circle

[Class 20](#)

Wednesday, April 7
Exponential Equations

[Class 21](#)

Monday, April 12
Exam Review, Finished Exponential Equations, The Inscribed Circle

Class 22 - Exam 3

[Class 23](#)

Monday, April 19
Basic Functions and Their Properties, Transformations, Combinatorics 2 (Fundamental Counting Principle and Permutations)

[Class 24](#)

Wednesday, April 21
Inverse Functions, Higher Degree Inequalities,
Permutations

[Class 25](#)

Monday, April 26
Complex Numbers

[Class 26](#)

Wednesday, April 28
More on Complex Numbers

[Class 27](#)

Monday, May 3
The Quadratic Formula, Graphing Polynomials -
Part 1 and Part 2, Solving Linear Systems in 3
variables and in 4 variables

[Class 28](#)

Wednesday, May 5
Finished systems in 4 variables, Division of
Polynomials and Applications, Conic Sections,
The Fundamental Theorem of Algebra

[Class 29](#)

Monday, May 10
Combinations, The Binomial Theorem, Pascal's
Triangle

Class 30 Exam 4

[BONUS Class 1](#)

Monday, May 17
The Sum and Product of Roots of a Quadratic
Equation, Equations with Parameters, Tangent
to a Parabola