

Math 113 Placement Test Checklist

The following skills are recommended for Math 113, Analytic Geometry and Calculus I. In MathXL, choose the following textbook from the dropdown menu:

Algebra Review for Calculus

Once you have chosen the textbook, click on the words “study plan”. Expand the Chapter + to see the individual sections. Some of the exercises have video solutions. If you need help with an exercise, you can click on the menu to the right of the exercise for help, to read the related section of the textbook, or to see additional examples.

- Chapter O - Orientation Questions for Students
- Chapter 0 - Prerequisites: Fundamental Concepts of Algebra
 - Sec 0.1 Algebraic Expressions
 - Sec 0.2 Exponents
 - Sec 0.3 Radicals and Rational Exponents
 - Sec 0.4 Polynomials
 - Sec 0.5 Factoring Polynomials
 - Sec 0.6 Rational Expressions
 - Sec 0.7 Equations
- Chapter 1 - Functions and Graphs
 - Sec 1.2 Basic Functions and their Graphs
 - Sec 1.3 Linear Functions and Slope
- Chapter 2 -Complex Numbers and Polynomial Functions
 - Section 2.1- 2.2
- Chapter 3 - Exponential and Logarithmic Functions
 - Section 3.1- 3.2
- Chapter 4 - Trigonometric Functions
 - Section 4.1 - 4.3
- Chapter 5 - Analytic Trigonometry
 - Sec 5.1 Trig Identities
 - Sec 5.2 Sum and Difference Formula
 - Sec 5.3 Double Angle, Power Reducing, Half-Angle Formulas
- Chapter 6 - Systems of Equations
 - Section 6.1 – 6.2

Choose the following textbook from the dropdown menu:

Dugopolski:College Algebra, 5e

- Chapter 2 - Functions and Graphs
 - Section 2.1 – 2.4
- Chapter 6 - Matrices
 - Section 6.2 Operations with Matrices

- Chapter 8 - Sequences and Series
 - Section 8.1 Sequences