

## Math 108 Checklist

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The following skills are recommended for Math 108, Calculus with Business Applications. Choose the following textbook from the dropdown menu:

### **Lial: Essentials of College Algebra**

Once you have chosen the textbook, click on the words “study plan”. Expand the Chapter + to see the individual sections. For each section below, start by watching the section video then proceed to exercises. 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 - Review of Basic Concepts
  - Section 0.1 Real Numbers
  - Section 0.2 Order and Absolute Value
  - Section 0.3 Polynomials
  - Section 0.4 Factoring Polynomials
  - Section 0.5 Rational Expressions
  - Section 0.6 Rational Exponents
  - Section 0.7 Radical Expressions
  
- ☐ Chapter 1 - Equations and Inequalities
  - Section 1.1 Linear Equations
  - Section 1.2 Applications and Modeling with Linear Equations
  - Section 1.4 Quadratic Equations
  
- ☐ Chapter 2 - Graphs and Functions
  - Section 2.1 Graphs of Equations (skip material on circles)
  - Section 2.2 Functions
  - Section 2.3 Linear Functions
  - Section 2.7 Function Operations and Composition
  
- ☐ Chapter 3 - Polynomial and Rational Functions
  - Section 3.1 Quadratic Functions and Models