**Math 1A:**

Textbook & ALEKS Software Bundle:

MILLER, ALEKS 360 11-week Access Card for PRECALCULUS 1 2017

(ISBN 9781259723308)

The textbook is correlated within ALEKS.

The ALEKS syllabus breaking up the content below can be found [here](https://drive.google.com/file/d/1q68-qPUN1iJYefZda44oySSPRb7Bvlcq/view?usp=sharing).

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| **SECTION** | **TOPIC** |
| R.1 | Sets and the Real Number Line |
| R.2 | Exponents and Radicals |
| R.3 | Polynomials and Factoring |
| R.4 | Rational Expressions and More Operations on Radicals |
| R.5 | Equations with Real Solutions |
| R.6 | Complex Numbers and More Quadratic Equations |
| R.7 | Applications of Equations |
| R.8 | Linear, Compound, and Absolute Value Inequalities |
| 1.1 | The Rectangular Coordinate System and Graphing Utilities |
| 1.2 | Circles |
| 1.4 | Linear Equations in Two Variables and Linear Functions |
| 1.5 | Applications of Linear Equations and Modeling |
|  | **Midterm Exam** |
| 1.3 | Functions and Relations |
| 1.6 | Transformations of Graphs |
| 1.7 | Analyzing Graphs of Functions and Piecewise-Defined Functions |
| 1.8 | Algebra of Functions and Function Composition |
| 2.1 | Quadratic Functions and Applications |
| 3.1 | Inverse Functions |
| 2.2 | Introduction to Polynomial Functions |
| 2.3 | Division of Polynomials and the Remainder and Factor Theorems |
| 2.4 | Zeros of Polynomials |
| 2.5 | Rational Functions |
| 2.6 | Polynomial and Rational Inequalities |
|  | **Final Exam** |