**Math 1A:**

Text: Precalculus by Barnett, Ziegler, and Byleen.

The textbook is correlated within ALEKS.

The ALEKS syllabus breaking up the content below can be found [here](https://drive.google.com/open?id=1pCI2XOPTxm4_vVO4YHprRLdbFJBnDMsP).

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| **SECTION** | **TOPIC** |
| R1 | Introduction, Algebra, and Real Numbers |
| R2 | Exponents and Radicals |
| R3 | Polynomials: Basic Operations and Factoring |
| R4 | Rational Expressions: Basic Operations |
| 1.1 | Linear Equations |
| 1.2 | Linear Inequalities |
| 1.3 | Absolute Value in Equations and Inequalities |
| 1.4 | Complex Numbers |
| 1.5 | Quadratic Equations |
| 1.6 | Additional Equation Solving Techniques |
| 2.1 | Cartesian Coordinate Systems |
| 2.2 | Distance in the Plane |
| 2.3 | Equations of Lines |
| 2.4 | Linear Equations and Models |
|  | **Midterm Exam** |
| 3.1 | Functions |
| 3.2 | Graphing Functions |
| 3.3 | Transformations of Functions |
| 3.4 | Quadratic Functions |
| 3.5 | Operations on Functions; Composition |
| 3.6 | Inverse Functions |
| 4.1 | Polynomial Functions and Models |
| 4.2 | Real Zeros and Polynomial Inequalities |
| 4.3 | Complex Zeros and Rational Zeros of Polynomials |
| 4.4 | Rational Functions and Inequalities |
|  | **Final Exam** |