

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](#).

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