

Math 1B Syllabus

*Text: Precalculus by Barnett, Ziegler and Byleen. E-book version packaged with Aleks.

Lecture	Section	Topic
1	R1-R6	Introduction, Review select topics (Aleks will handle most)
2	1.1, 1.2	Linear Equations, Linear Inequalities
3	1.3	Absolute Value in Equations and Inequalities
4	1.5	Quadratic Equations
5	1.6	Additional Equation Solving Techniques
6	3.1	Functions
7	3.2	Graphing Functions
8	3.3	Transformations of Functions
9	3.4	Quadratic Functions
10	4.1	Polynomial Long Division
11	3.6	Inverse Functions
12		Midterm # 1
13	5.1	Exponential Functions
14	5.3	Logarithmic Functions
15	5.5	Exponential and Logarithmic Equations
16	6.1	Angles and their Measure
17	6.2	Trigonometric Functions: A Unit Circle Approach
18	6.3	Solving Right Triangles
19	6.4	Properties of Trigonometric Functions
20	6.6	Inverse Trigonometric Functions
21		Review/ Catch up
22		Midterm # 2
23	7.1	Basic Identities and Their Use
24	7.2	Sum, Difference and Cofunction Identities
25	7.3	Double-Angle and Half-Angle Identities
26	7.5	Trigonometric Equations
27	8.1	Law of Sines
28	8.2	Law of Cosines
29		Review
		Final

*During the first two weeks students will be required to use Aleks and get up to a certain proficiency on a subset of the algebra based precalculus topics.