

Chapter 1 Goal: Students will be able to re-call mathematics/physics that will be vital to their success in Calculus that was previously taught in Algebra 1, Algebra 2, Pre-Calculus and Physics courses.

Ch./Obj.	Objective	Vocabulary	Lesson Plan
1.1 (1.5 days)	1.1: Students will be able to perform many common calculations and procedures learned in Algebra 1 & 2. Ranging from finding slope and using the slope-intercept formula to simplifying and rationalizing rational problems	Prior Vocabulary: slope, point-slope form, factor, rationalize, conjugate, New Vocabulary: None	<ol style="list-style-type: none"> 1. Warm-up: Simplify a rational expression using factoring 2. Review: Exponent rules and point-slope formula 3. Assess: (Popcorn) algebra problems 4. Individual Prac: Algebra Packet
1.2 (.5 days)	1.2: Students will be able to perform operations with piece-wise functions and evaluate the end behavior of functions graphically and algebraically.	Prior Vocabulary: end behavior, infinity, piece-wise, Horizontal & Vertical Asymptote, Holes, Discontinuities New Vocabulary: None	<ol style="list-style-type: none"> 1. Warm-up: Find values at different x-values in a piecewise function (Explain piecewise functions as tools) 2. Review: Piecewise functions and end-behavior of functions 3. Assess: (Coach and Call) End behavior functions 4. Individual Prac: Pre-cal Worksheet 1
1.3 (1 day)	1.4: Students will be able to calculate any simple trigonometry problem using memory or the “hand trick.” They should be able to use their knowledge to calculate the answer in any quadrant.	Prior Vocabulary: sine, cosine, tangent, cotangent, cosecant, secant, trigonometry New Vocabulary: None	<ol style="list-style-type: none"> 1. Warm-up: Name the trig identities and graphs of trig functions 2. Review: How to calculate trig functions with hand method 3. Assess: (WB Flash) Trig Calculations 4. Individual Prac: Trig Packet
Review (1 day)	Chapter 1 Review		
Test (1 days)	Chapter 1 Test		

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