Announcements	Geometry	Algebra 2	Precalculus	Calculus

2010 | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | 2012

October 2011

Monday	Tuesday	Wednesday	Thursday	Friday
3 Oct	**4** Notes: 2.2 Biconditionals and Definitions / HW: p 90 # 1 - 23 odds / Notes: Graphing Practice / HW: graph the following: 1. y = -x^2 + 3 / 2. y = (x + 1)^2 + 1 / 3. y = x^2 +2x + 2 / 4. y = 2(x - 1)^2 - 3 / 5. y = 2x^2 - 4x - 1 / 6. y = 2(x-1) - 3 / Notes: 3.2 Differentiability / HW: p 114 # 1 - 21 odds	**5** Notes: Graphing Practice / HW: graph 6 functions using t-chart / BFS Foundation Day Celebration	**6** Notes: 2.3 Deductive Reasoning / HW: p 96 # 1 - 13 odds, 17 - 21 odds / Notes: 2.4 Operations with Functions / HW: p 115 # 11, 15, 19, 23, 25, 29, 33, 35, 43, 49 / Notes: 3.2 Differentiability Continued, 3.3 Rules for Differentiation / HW: p 124 # 1 - 8	**7** Notes: Basic Graphs - Appearance, Domain and Range, Continuity, Increasing or Decreasing, Even or Odd / HW: p 113 # 1 - 15 odds, 29 - 35 odds / Notes: HW Review + Quiz Post Mortem / HW: p 124 # 9 - 12 all / Find the equations of all tangent lines.
Korea Foundation Day - No School				
10 Notes: 2.4 Reasoning in Algebra / HW: p 105 # 1 - 15 / Notes: 2.5 Inverses of Functions / HW: p 122 # 11, 15, 19, 23, 29, 35, 41, 47 / 3.3 Continued (Product & Quotient Rules) / HW: p 114 # 39 / p 124 # 13 - 22	**11** Notes: 1.4 Building Functions from Functions / HW: p 124 # 1 - 14 / Notes: Review: Power, Product, & Quotient Rules / New: Second & Higher Order Derivatives / HW: p 124 # 23 - 32	**12** PSAT / Notes: Absolute Value Reprise / HW: Worksheet - Bacteria & Math / Notes: HW + Quiz Review / HW: p 135 Quick Review # 1 - 10	**13** Notes: Decomposing Functions, Relations, and Implicitly Defined Functions / HW: p 124 # 15 - 27 odds, 32, 37 - 43 odds / Notes: Motion along a Line; Position, Velocity, and Acceleration / HW: p 135 # 1 - 6	**14** In Class: HW Review and 2 Column Proofs Continued, Birthday Party / HW: p 106 # 16 - 23, 27 - 31 / In Class: Absolute Value Inequalities / HW: Worksheet - Mush / In Class: HW Review, Problem Solving, Velocity Graph game / HW: p 136 # 8 - 13
17 In Class: 1.5 Parametric Relations / HW: p 135 # 1 - 8 / In Class: HW Review / In Class: Example Problems / HW: Watch video lecture on 3.5 and take notes	**18** In Class: 2.5 Proving Angles Congruent / HW: p 112 # 1 - 7 all, 13, 14, 17 / In Class: 2.6 Special Functions (piecewise, absolute value, step) / HW: p 129 # 17 -27 odds, 29, 33, 37, 41, 45, 49, 53, 57, 59 / In Class: Practice problems / Yesterday's Video Notes / HW: Video on Harmonic Motion and the rest of the Basic Trig Derivatives	**19** In Class: 1.5 Inverses / HW: p 135 # 9 -29 odds / In Class: p 146 # 6, 11, 13, 15 / HW: Several example problems + Unit Circle Shortcut :)	**20** In Class: Quiz Review, 2.5 Continued / HW: p 113 # 11, 16, 18, 21 - 27 / In Class: Function Transformations / No HW - Have a good weekend / In Class: Unit Circle Review / HW: Sal Khan's Intro to the Chain Rule / HW: Sal Khan's Chain Rule Examples	**21** In Class: 1.6 Graphical Transformations / HW: p 147 # 1 - 11 odds, 17, 19, 25 - 31 odds / HW: Try to bring a laptop to class on Monday / HW: Go to http://www.geogebra.org/cms/ and download the Geogebra software. (Ideally onto the laptop that is coming to class with you, but if you can't bring a laptop to school, install Geogebra onto a computer in your house.) / HW: Follow along using Geogebra on your computer
24 In Class: Chapter 2 Review / HW: Finish Chapter 2 Review p 117 # 1 - 35 odds / In Class: Piecewise Function Analysis + Transformations / HW: p 139 # 7, 9, 11, 15, 19, 23, 27, 31, 36, 39, 43, 47, 51, 55, 57 / HW: Chain Rule Video / In Class: Practice Problems	**25** In Class: Transformation Worksheets / HW: p 147 # 21, 23, 39 - 49 odds / In Class: watched yesterday's video (sorry) and did several practice problems / HW: More Chain Rule Goodness	**26** In Class: 3.1 Properties of Parallel Lines / HW: p 131 # 1 - 25 odds / In Class: Geogebra on Laptops / HW: Chapter Review p 144 # 1 - 61 odds / AP Test Prep p 154 # 50, 58, 62, 65 / HW: Watch the Khan Academy video on Implicit Differentiation / HW: Watch Ms. Claypool's (short!) video on Implicit Differentiation]	**27** In Class: 1.7 Modeling with Functions / HW: p 160 # 1, 5, 11, 15, 21, 28, 31 / In Class: Couple of practice problems + quiz / HW: Khan Academy - Implicit Differentiation (part 2) / HW: Khan Academy - More implicit differentiation	**28** In Class: 3.2 Proving Lines Parallel / HW: p 137 # 1 - 7 odd, 11 - 21 odd, 22 / In Class: Solving Systems of Linear Equations Using Graphing or Substitution / HW: p 161 # 13, 19, 23, 25, 29, 33, 41, 54, 58 / In Class: Implicit Differentiation Problems / HW: More on implicit differentiation - Movie / HW: More on implicit differentiation - Notes / HW: Watch Sal Khan's video on inverse sin function / HW: Coordinate Plane version of inverse sine & cosine
31	**1** Nov — In Class: 3.3 Parallel & Perpendicular Lines / HW: p 143 # 3 - 11 odds, 15 - 21 odds / In Class: 3.3 Solving Systems by Elimination / p 169 # 9 - 17, optional: 27 - 29 / In Class: Inverse Trig Derivatives / HW: Movie - Derivative of the Inverse Sine / HW: Movie - Derivative of the Inverse Cosine / HW: Movie - Derivative of the Inverse Tangent / Resource: Writeup of the 3 Main Inverse Trig Derivatives	**2** In Class: Problem Solving Review, Chapter 1 Review / HW: BRING CALCULATOR TO NEXT CLASS!!! / Finish Chapter Review p 165 # 1 - 57 every other odd, 59 - 63 odds / In Class: Practice Inverse Trig Derivatives, Return Quiz / HW: Practice Problems p 170 # 1, 7, 9, 12, 21, 23 / HW: Movie - Derivatives of Exponential Functions / HW: Movie - Derivatives of Logarithmic Functions / Trig Derivatives Flashcards - Print front to back and then cut out :) / Movie Notes / Practice Problems Solutions	**3** In Class: 3.4 Parallel Lines and the Triangle Angle Sum Theorem / HW: p 150 # 1 - 6, 10 - 16, 23, 25 / In Class: 3.3 Linear Inequalities in 2 Variables / HW: p 176 # 11 - 16, 29 - 31 / In Class: Practiced Exponent & Log Derivatives / Practice: p 178 # 3, 7, 13, 17, 21, 32, 33, 35, 37	**4** In Class: In case you missed it, here's a video on how to do scatter plots and linear regressions on your calculator!