

**Pre-Calculus Lesson Plan**

<b>Date</b>	<b>Day</b>	<b>Lesson</b>	<b>Objective</b>	<b>Warm-up</b>	<b>Classroom Activity</b>	<b>Assignment</b>	<b>Quizzes and Tests</b>
8/22/1 1	Mon	1.1 Relations & Functions	<p>Introduce Class</p> <p>Determine whether a given relation is a function Identify the domain and range of a relation or function Evaluate Functions</p>	5 minute Check 1-1	<p>Hand out Syllabus/ Discuss Rules/ Discuss 3 R's</p> <p>Check Understanding page 8: 1 -16</p>	<p>Exercises page 10</p> <p>18– 54 even 57</p>	
8/23/1 1	Tue	1.2 Composition of Functions	<p>Perform Operations with Functions</p> <p>Find composite functions</p> <p>Iterate Functions using real numbers</p>	5 min check 1-2	check understanding p 17 1-10	Exercises page 17 12-38 even 39	
8/24/1 1	Wed	1.3 Graphing Linear Equations	<p>Graph Linear equations</p> <p>Find the x- and y-intercepts of a line</p> <p>Find the slope of a line through two points</p> <p>Find zeros of linear functions</p>	5 minute check 1-3	Check understanding p 23 1-11	Exercises page 24 12- 46 even	
8/25/1 1	Thu	1-4 Writing Linear Equations	Write Linear Equations	5 minute check 1-4	<p>Check progress</p> <p>check understanding</p>	<p>Practice Page 30 12 -30 even, 35</p>	

Aug 29, 2011	Mon	Mid- chapter Review and test	Review	Check 1-5			Quiz A & B Mid-Chapter Test
Aug 30, 2011	Tue	1.5 Writing Equations of Parallel and Perpendicular lines	Write Equations of Parallel and Perpendicular Lines	5 min check 1-5		Exercises page 36 13 – 39 odd, 40	
Aug 31, 2011	Wed	1.6 Modeling real world data with Linear functions	Scatter plots, Lines of best fit, graphing calculator, correlation coefficients	5 min Check 1-6	check understanding	Practice WS 1-6	
Sept 1, 2011	Thu	1-7 Piecewise functions	Identify and graph piecewise functions: greatest integer, step, and absolute value	5 minute Check1-7	Check understanding	Page 49 11-29 odd 30-37 all	
Sep 6, 2011	Tues	1-8 Graphing Linear Inequalities	Graph Linear Inequalities	5 min Ch 1-8	Check understanding	Page 55 9-21 odd 23-25 27-32	

Sept 7 2011	Wed	Ch 1 Review	Relations Functions and Graphs		Review	Page 57 1- 10 all 12 – 66 even	
Sept 8, 2011	Thu			5 min Check 2-1	Review		Quiz C & D
Sept 12, 2011	Mon	Ch 1 Test				Ch 1 notes due	Ch 1 Test
Sept 13, 2011	Tue	2-1 Solving systems of equations in 2 variables	Solve systems of equations graphically, solve systems of equations algebraically		Check for understanding 1-10	Page 71 11-13 all, 14-32 even 37 -45 all	
Sept 14, 2011	Wed					Worksheet 2-1	

Sept 15, 2011	Thur	2-2 Solving systems of equations in 3 variables	Solve systems of equations involving three variables algebraically	Check 2-2	Check for understanding 1-7	Page 76 8-18 even 19, 21, 24 – 28 all	
Sept 19, 2011	Mon	2-3 Modeling Real World Data with Matrices	Model Data with Matrices Add, Subtract and Multiply Matrices	Check 2-3	Check for understanding 1-14	Page 83 16-52 even 56-64 even	
Sept 20, 2011	Tue	2-4 Modeling Motion with Matrices	Use matrices to determine the coordinates of polygons undergoing different transformations.	Check 2-4	Check for understanding	WS 2-4	
Sept 21, 2011	Wed	Review				Page 96 Mid ch quiz 1-10, WS 2-3	
Sept 22, 2011	Thur			Check 2-5			Mid Ch Test, Quiz A & Quiz B

Sept 26, 2011	Mon	2-5 Determinants and Multiplicative Inverses of Matrices	Evaluate the Determinant Find Inverses of Matrices Solve systems of equations by using the inverse matrix		Check for understanding	Page 102 14 – 46 even	
Sept 27, 2011	Tue	2-6 Solving Systems of Linear Inequalities	Graph systems of linear inequalities Find the max or min value of a function defined for a polygonal convex set	Check 2-6	Check for understanding	Page 110 10-22 even 26, 28	
Sept 28, 2011	Wed					WS 2-5/2-6	
Sept 29, 2011	Thur	2-7 Linear Programming	Use linear programming procedures to solve applications Recognize situations where exactly one solution to a linear programming application may not exist	Check 2-7	Check for understanding	Page 116 9-11 all, 13 – 19 odd	
Oct 2, 2011	Monday	Ch 2 Review				Page 119 1-51 all	

Oct 3, 2011	Tue					Practice Test A57	Quiz C & D
Oct 4, 2011	Wed	Ch 2 Test				Notes due	Ch 2 Test
Oct 5 2011	Thurs	3-1 Symmetry and Coordinate Graphs	Use algebraic tests to determine if the graph of a relation is symmetrical  Classify Functions as even or odd	Check 3-1	Check for understanding	Page 134 14 -26 even 29 – 33 all	