

Mrs. Maddock's Lesson Plans for the week of October 26-30

PLANE & SOLID GEOMETRY		
Hour 1		
MONDAY	Lesson	4-5: Triangle Congruence: ASA, AAS, and HL
	Objective(s)	1) Apply ASA, AAS, and HL to construct triangles and to solve problems 2) Prove triangles congruent by using ASA, AAS, and HL
	Assignment	TBA
TUESDAY	Lesson	4-6: Triangle Congruence: CPCTC
	Objective(s)	Use CPCTC to prove parts of triangles are congruent
	Assignment	TBA
WEDNESDAY	Lesson	4-7: Introduction to Coordinate Proof
	Objective(s)	1) Position figures in the coordinate plane for use in coordinate proofs 2) Prove geometric concepts by using coordinate proof
	Assignment	TBA
THURSDAY	Lesson	Quiz (4.4-4.7) and Extra Practice
	Objective(s)	Assess student understanding of lessons 4-7 and provide extra practice for mastery of the concepts
	Assignment	worksheet packet
FRIDAY	Lesson	4-8: Isosceles and Equilateral Triangles
	Objective(s)	1) Prove theorems about isosceles and equilateral triangles 2) Apply properties of isosceles and equilateral triangles
	Assignment	TBA

ALGEBRA 2

Hours 2 & 3

MONDAY	Lesson	2-5: Scatter Plots and Lines of Regression
	Objective(s)	1) Use scatter plots and prediction equations 2) Model data using lines of regression
	Assignment	p. 95-98
TUESDAY	Lesson	2-6: Special Functions
	Objective(s)	1) Write and graph piecewise-defined functions 2) Write and graph step and absolute value functions
	Assignment	p. 104-107
WEDNESDAY	Lesson	Extra Practice 2.5-2.6
	Objective(s)	Answer student questions and provide extra practice for mastery of concepts
	Assignment	Worksheet
THURSDAY	Lesson	2-7: Parent Functions and Transformations
	Objective(s)	1) Identify and use parent functions 2) Describe transformations of functions
	Assignment	p. 113-116
FRIDAY	Lesson	Quiz 2.5-2.7
	Objective(s)	Assess student understanding of lessons 5-7 and provide extra practice for mastery of the concepts
	Assignment	Worksheet

COLLEGE ALGEBRA

Hours 5 & 7

MONDAY	Lesson	3-4: Inverse Functions and Relations
	Objective(s)	1) Determine inverses of relations and functions 2) Graph functions and their inverses
	Assignment	p. 156 #15-39 odds
TUESDAY	Lesson	3-5: Continuity and End Behavior
	Objective(s)	1) Determine whether a function is continuous or discontinuous 2) Identify the end behavior of functions 3) Determine whether a function is increasing or decreasing on an interval
	Assignment	p. 166 #12-19 all; 20-34 even
WEDNESDAY	Lesson	3-6: Critical Points and Extrema
	Objective(s)	Find the extrema of a function
	Assignment	p. 177-178 #13-33 all; 36, 39
THURSDAY	Lesson	3-7: Graphs of Rational Functions
	Objective(s)	1) Graph rational functions 2) Determine vertical, horizontal, and slant asymptotes
	Assignment	p. 186-187 #14-27 all; 30-32; 35-37; 39
FRIDAY	Lesson	Quiz and Chapter 3 (lessons 1-7) Review
	Objective(s)	Assess student understanding and review in preparation for a test
	Assignment	p. 198-200 #11-55 all

COLLEGE SURVEY OF CALCULUS

Hour 6

MONDAY	Lesson	2-7: Implicit Differentiation
	Objective(s)	1) Find derivatives explicitly 2) Find derivatives implicitly 3) Use derivatives to answer questions about real-life situations
	Assignment	TBA
TUESDAY	Lesson	2-8: Related Rates
	Objective(s)	1) Examine related variables 2) Solve related-rate problems
	Assignment	TBA
WEDNESDAY	Lesson	Quiz 2.6-2.8
	Objective(s)	Assess student understanding of lessons 6-8
	Assignment	Chapter Review (2.5-2.8)
THURSDAY	Lesson	2.5-2.8 Wrap-up
	Objective(s)	Answer student questions and provide further review of chapter 2 concepts
	Assignment	Prepare for Test
FRIDAY	Lesson	2.5-2.8 Test
	Objective(s)	Assess student understanding of lessons 5-8
	Assignment	None