College Algebra V. 3 *Stitz & Zeager*			
Week	Section	Title	Text Homework
	1	**Relations and Functions**	
1	1.1	Sets of Real Numbers and the Cartesian Coordinate Plane	p. 14 #1, 2 - 20 even, 21, 22, 24, 26, 32, 34, 37, 38
	1.2	Relations	p. 29 #2, 3, 7, 9, 11, 15, 21, 22, 27, 28, 31-36, 41 -49 odd
	1.3	Introduction to Functions	p. 49 #1-14, 16 - 30 even, 33, 36, 39, 42, 45, 48
	1.4	Function Notation	p. 63 #2-14 even, 20, 22, 26, 28, 30, 35, 36, 38 - 50 even, 64, 71, 72, 73
2	1.5	Function Arithmetic	p. 84 #2-12 even, 16, 18, 22-28, 46, 47, 51, 53
	1.6	Graphs of Functions	p. 107 #1 - 6, 13 - 15, 17, 22, 24, 26, 29, 36, 58 - 73, 78-90, 96
	1.7	Transformations	p. 140 #12, 3, 4, 5, 7, 9, 10, 11, 15, 19-23, 25, 29, 30, 31, 33, 35, 36, 38, 39, 41, 42, 44, 54-61
3	**2**	**Linear and Quadratic Functions**	
	2.1	Linear Functions	p. 163 #1-19 odd, 21 - 26, 28, 30, 32, 34, 39, 42, 44, 56, 60-70 even
	2.2	Absolute Value Functions	p. 183 # 2 - 12 even, 16, 17, 22, 23, 26, 28
	2.3	Quadratic Functions	p. 200 #1 - 8, 10, 12, 16, 17, 22, 23, 31
4	2.4	Inequalities with Absolute Value and Quadratic Functions	p. 220 # 1 - 7 odd, 17 - 25 odd
		Test 1	**Chapter 1 and 2**
	3	**Polynomial Functions**	
	3.1	Graphs of Polynomials	p. 235 #1 - 25 odd
5	3.2	The Factor Theorem and the	p. 257 #1 - 27 odd, 31, 33, 35, 38, 41, 42, 43
	3.3	Real Zeros of Polynomials	p. 269 #1, 6, 7, 9, 11, 13, 15, 19, 21, 23, 31
	3.4	Complex Zeros and the	p. 287 #1 - 20, 27 - 30, 47 - 50
6	**4**	**Rational Functions**	
	4.1	Introduction to Rational Functions	p. 314 #1 - 10, 19, 20
	4.2	Graphs of Rational Functions	p. 333 #1 - 6, 9
	4.3	Rational Inequalities and Applications	p. 353 # 1 -5, 7, 8, 9
		Test 2	**Chapter 3 and 4**
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	5	**Further Topics in Functions**	
	5.1	Function Composition	p. 369 #1 - 23 odd, 31, 33, 56 - 61
	5.2	Inverse Functions	p. 394 #1 - 17 odd
	6	**Exponential and Logarithmic Functions**	
	6.1	Introduction to Exponential and Logaritmic Functions	p. 429 #1-35 odd, 43, 45, 58, 59, 60, 64, 75, 77
	6.2	Properties of Logarithms	p.445 #1-6, 10-14, 16-22, 35, 37, 39

8	6.3	Exponential Equations	p. 456 #1-23 odd
	6.4	Logarithmic Equations	p. 466 #1-19 odd
	6.5	Application of Exponential and Logarithmic Functions	p. 482 #1, 2, 5, 6, 8-11, 15, 17, 21-25, 27, 28, 29
9	**8**	**Systems of Equations and Matrices**	
	8.1	Systems of Linear Equations: Gaussian Elimination	p. 562 # 1 - 15 odd, 21
	8.6	Partial Fraction Decomposition	p. 635 #1 - 6, 7, 8, 9, 11
		Test 3	**Chapter 5, 6 and 8**
	7	**Hooked on Conics**	
	7.1	Introduction to Conics	None
	7.2	Circles	p. 502 #1, 3, 7, 11, 13, 15
10	7.3	Parabolas	p. 512 # 1-17 odd
	7.4	Ellipses	p. 525 #1-19 odd
	7.5	Hyperbolas	p. 541 #1 - 4, 9,10, 13-23 odd
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Week	**1**	**Trigonometric Functions**	
10	1.1	Angles and Their Measure	p. 9 #1 - 15 odd, 21, 24, 27, 30, 33, 37, 41, 43, 45, 51, 53
	1.2	Right Triangle Trigonometry	p. 20 # 1-11 odd, 17-25 odd, 26
11	1.3	Trigonometric Functions of Any Angle	p. 30 # 1 - 23 odd, 25, 30, 35, 41, 43, 45
	1.4	The Unit Circle	p. 37 #1 - 8, 9, 11, 14, 16, 19
	1.5	Applications and Models	p. 43 #1, 3, 5, 7, 13-21 odd, 22
		Test 4	**Chapter 7 Conics & Chapter 1 Trigonometry**
12	**2**	**Graphs and Inverse Functions**	
	2.1	Graphs of Sine and Cosine	p. 56 #1-9 odd, 13-19 odd, 22
	2.2	Graphs of tan(x), cot(x), csc(x) and sec(x)	p. 64 # 1, 2, 3
	2.3	Inverse Trigonometric Functions	p. 73 #1-19, 29, 30
	2.4	Solving Trigonometric Equations	p.80 #1-15 odd, 19-25 odd, 29
13	**3**	**Trigonometric Identities**	
	3.1	Fundamental Identities	p. 87 #1-17 odd
	3.2	Proving Identities	p. 92 #1-13 odd, 21, 23, 29, 31
	3.3	Sum and Difference Formulas	p. 100 #1, 3, 6, 8, 9, 13, 17, 19, 23, 27, 31-39 odd
	3.4	Multiple-Angle Formulas	p. 107 #1, 3, 5, 11, 13, 17, 19, 23, 25, 31
14	**5**	**Additional Topics**	
	5.1	Polar Coordinates	p. 137 # 1-31 odd
		Test 5	**Chapters 2, 3, & 5**
15		**Final Exam**	