

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
2	1.4	Function Notation	p. 63 #2-14 even, 20, 22, 26, 28, 30, 35, 36, 38 - 50 even, 64, 71, 72, 73
	1.5	Function Arithmetic	p. 84 #2-12 even, 16, 18, 22-28, 46, 47, 51, 53
3	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
	2	Linear and Quadratic Functions	
4	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
5	2.4	Inequalities with Absolute Value and Quadratic Functions	p. 220 # 1 - 7 odd, 17 - 25 odd
		Test 1	Chapters 1 and 2
6	3	Polynomial Functions	
	3.1	Graphs of Polynomials	p. 235 #1 - 25 odd
	3.2	The Factor Theorem and the Remainder Theorem	p. 257 #1 - 27 odd, 31, 33, 35, 38, 41, 42, 43
7	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 Fundamental Theorem of Algebra	p. 287 #1 - 20, 27 - 30, 47 - 50
8	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
9	4.3	Rational Inequalities and Applications	p. 353 # 1 -5, 7, 8, 9
		Test 2	Chapters 3 and 4

10	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
11	6	Exponential and Logarithmic Functions	
	6.1	Introduction to Exponential and Logarithmic 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
12	6.3	Exponential Equations and Inequalities	p. 456 #1-23 odd
	6.4	Logarithmic Equations and Inequalities	p. 466 #1-19 odd
13	6.5	Application of Exponential and Logarithmic Functions	p. 482 #1, 2, 5, 6, 8-11, 15, 17, 21-25, 27, 28, 29
	8	Systems of Equations and Matrices	
	8.1	Systems of Linear Equations: Gaussian Elimination	p. 562 # 1 - 15 odd, 21
14	8.6	Partial Fraction Decomposition	p. 635 #1 - 6, 7, 8, 9, 11
		Test 3	Chapters 5, 6 and 8
		Final	