

Math 1513 - College Algebra
 Fall 2018 - Schedule
 updated November 26, 2018 at 10:16

Class	Day	Section	Title	HW Problems
1	2018.08.20	1.1	Linear Equations, Formulas, and Problem Solving	1, 3, 5, 9, 17, 25, 27, 33, 43, 45, 49, 51
2	2018.08.22	1.2	Linear Inequalities in One Variable	1, 3, 5, 7, 11, 13, 15, 17, 19, 21, 23, 25, 27, 31, 33, 37, 39, 43, 51, 59, 61, 69
3	2018.08.24	1.3	Absolute Value Equations and Inequalities	1, 3, 5-52 every 2nd odd
4	2018.08.27	1.4	Complex Numbers	1-37 odd
5	2018.08.29	1.4	Complex Numbers (<i>continued...</i>)	
6	2018.08.31	1.5	Solving Quadratic Equations	1, 3, 5, 11, 15, 17-40 every 2nd odd, 41, 49, 55, 61, 63, 71, 81-104 every 2nd odd, 105, 115
7	2018.09.05	1.6	Solving Other Types of Equations	1, 3, 5-32 every 2nd odd, 33, 41, 43, 45, 51, 53, 63, 65, 73, 77
8	2018.09.07	1.6	Solving Other Types of Equations (<i>continued...</i>)	
9	2018.09.10	2.1	Rectangular Coordinates	1-13 odd, 19, 21, 23, 25, 31, 33, 37, 41, 43, 51, 57, 63, 69, 71, 75, 81, 83, 85, 87
10	2018.09.12	2.2	Linear Graphs and Rates of Change	1, 3, 11, 19, 27, 29, 31, 35, 39, 41, 45, 47, 59
		2.3	Graphs and Special Forms of Linear Equations	1-4 all, 5, 10, 11, 14, 16, 17, 20, 22, 23, 26, 27, 29, 33, 35, 39, 41, 43, 47, 51, 53, 58, 59, 62, 65, 71, 72, 83, 88
11	2018.09.14	2.4	Functions, Function Notation, and the Graph of a Function	1-8 all, 11, 13, 17, 19, 22, 28, 29, 37, 42, 45, 47, 54, 57, 59, 61, 65, 70, 71, 74, 78, 81, 86, 88, 90
12	2018.09.17	2.5	Analyzing the Graph of a Function	1-6 all, 7, 10, 11, 12, 14, 17, 20, 23, 25, 27, 28, 33, 34, 37, 40, 43, 44, 46, 48, 49-52 all, 57, 60, 81, 88, 95
13	2018.09.19		Chapters 1 and 2 Review	
14	2018.09.21		Chapters 1 and 2 Exam	
15	2018.09.24	3.1	The Toolbox Function and Transformations	1-14 all, 15, 22, 26, 28, 29, 31-42 all, 43, 49, 55, 58, 60, 62, 63, 65, 73, 78
16	2018.09.26		The Toolbox Function and Transformations (<i>continued...</i>)	
17	2018.09.28		The Toolbox Function and Transformations (<i>continued...</i>)	
18	2018.10.01	3.2	Basic Rational Functions and Power Functions	1-4 all, 5, 7, 9-14 all, 15, 20, 26, 29, 30, 31, 36, 37, 40
19	2018.10.03		Basic Rational Functions and Power Functions (<i>continued...</i>)	
20	2018.10.05	3.3	Variation: The Toolbox Functions in Actions	
		3.4	Piecewise-Defined Functions	1-4 all, 5, 8, 9, 11, 13, 16, 20, 24, 27, 29, 30, 33, 37, 38
21	2018.10.08	3.5	The Algebra and Composition of Functions	1-4 all, 5, 8, 11, 16, 17, 22, 25, 28, 31, 33, 39, 43, 44, 45, 47, 48, 52, 53, 56, 61, 66, 67, 73

continued on next page...

Class	Day	Section	Title	HW Problems
22	2018.10.10	4.1	Quadratic Functions and Applications	1-30 odd
23	2018.10.12	4.2	Synthetic Division	1-10 all, 29-32 all, 33-52 odd, 53, 56, 57, 61, 64, 67, 70
24	2018.10.15	4.3	The Zeros of Polynomial Functions	1-6 all, 7, 9-35 odd, 37, 41, 44, 45, 49, 52, 57, 61, 63
25	2018.10.17	4.4	Graphing Polynomial Functions	1-4 all, 5-26 all, 27-34 odd, 35-40 all, 41-51 odd, 52, 57, 67
26	2018.10.22	4.5	Graphing Rational Functions	1-10 all, 11-32 odd, 33, 37, 41, 45, 47, 49, 51-59 odd
27	2018.10.24	4.5	Graphing Rational Functions (<i>continued...</i>)	
28	2018.10.26	4.6	Polynomial and Rational Inequalities	1-4 all, 5-28 odd, 29-32 all, 33-36 all, 37, 41, 45, 49, 53, 57, 61, 65, 69, 71, 75
29	2018.10.29		Chapters 3 and 4 Review	
30	2018.10.31		Chapters 3 and 4 Exam	
31	2018.11.02	5.1	One-to-One and Inverse Functions	1-6 all, 7, 9-14 all, 15, 19, 21, 25, 27, 33, 41, 45, 53, 55, 61, 62, 83
32	2018.11.05	5.2	Exponential Functions	1-6 all, 7, 11, 15, 18, 24, 25, 30, 32, 34, 35, 37, 40, 46, 51, 52, 53, 62, 63, 64
33	2018.11.07	5.3	Logarithms and Logarithmic Functions	1-6 all, 7, 10, 12, 15, 18, 19, 24, 27, 30, 35, 42, 43, 48, 51, 63
34	2018.11.09	5.4	Properties of Logarithms	1-6 all, 7, 9, 11, 15, 20, 25, 31, 36, 39, 43, 47, 50, 51, 63
35	2018.11.12	5.5	Solving Exponential and Logarithmic Equations	1-4 all, 5-35 odd
36	2018.11.14	6.1	Linear Systems in Two Variables with Applications	1-8 all, 9, 12, 13, 21, 23, 25, 27-35 odd, 41-65 odd
37	2018.11.16	6.2	Linear Systems in Three Variables with Applications	1-4 all, 5, 7, 9, 10, 11, 15, 19, 23, 27, 29, 36, 37
38	2018.11.26	6.3	Nonlinear Systems of Equations and Inequalities	1-4 all, 5, 9, 11, 17, 19, 23, 27, 31, 35, 43, 45, 49
39	2018.11.28	6.4	Systems of Linear Inequalities and Linear Programming	5-12 all, 15, 21, 25, 33, 37, 38, 43-50 all
40	2018.11.30		Chapters 4 and 5 Review	
41	2018.12.03		Chapters 4 and 5 Exam	
42	2018.12.05	7.1	Solving Linear Systems Using Matrices and Row Operations	5-7 all, 8-25 odd, 26, 29, 31, 33, 37, 39-50 odd