

Math 100 MTWRF
College Algebra

Text: *Algebra: Form and Function*, McCallum, Connally, Hughes-Hallett, Wiley, 2010

Prerequisites: ACT score of at least 19; C or better in MATH 092, or Placement in MATH 100 by the Mathematics Department Placement Exam.

WILEY PLUS and TI-83 Graphics Calculator are required.

Study groups, tutoring, and other related services are located in The Learning Center in Lee Hall

Wiley Plus Exercises (WP) are to be done online.

Lesson	Section and Topic	Assignment
1	Basic Review	Chapter 1 Review: 1,2,9,17,19,20,26,61,99 Chapter 2 Review: 3,23,35,68,71 Chapter 3 Review: 3,11,21,25,30-34,36,37,38
2	4.1 What is a Function?	3,4,14,15,18,20,23,24,25,28,29,31,32,34,35,38,39,45,46 Section 4.1 WP Online (2,8,11,22,25,27,43)
3	4.2 Functions and Expressions	6,7,11,12,15,20,21,22,24
4	4.2 Functions and Expressions	27,28 Section 4.2 WP Online (14,19,23,25,31)
5	4.3 Functions and Equations	1,10,11,12,13,14,15,17,19 Section 4.3 WP Online (4,8,16)
6	4.3 Functions and Equations	20,21,22,27,29,32 Note: 20 add (f) Solve using Quadratic Formula Section 4.3 WP Online (23,25,30)
7	4.4 Functions and Change	6,9,10,12,18,19,23,24,25,29,30 Section 4.4 WP Online (3,5,12,13,14)
8	4.5 Functions and Modeling	3,4,7,8,13,20,22,23,24,25 27 Section 4.5 WP Online (5,10,15,19)
9	4.5 Functions and Modeling	29,32,33,34,40 Section 4.5 WP Online (39)
10	8.1 Domain and Range; Interval Notation	4,5,7,8,9,10,13,14,16,19,20,28 Use Interval Notation Section 8.1 WP Online (11,12,17,21,22,23,26)
11	8.1 Domain and Range; Interval Notation	29,30,31,33,34,36,37,39,41 Use Interval Notation
12	8.2 Composing and Decomposing Functions	7,9,11,12,13,15 Section 8.2 WP Online (4,16)
13	8.2 Composing and Decomposing Functions	20,21,22,27,30,31,34,35 Section 8.2 WP Online (33)
14	8.3 Shifting and Scaling	1,3,5,11,12,13,14,17,18,19,22,32,37 Section 8.3 WP Online (7,10,15,21,30,33,36,38,45)
15	Chapter 4 Review	10,12,14,22,30,32,38,40,42,54,58,68,70,76,78,(omit 59-61 and 64-67) Chapter 4 Review WP Online (1,3,4,7,10,13,15,18,21,23,25,28,36,41,43,55,74,77)
16	Chapter 4 Review (continued)	9,11,17,31,33,35,39,45,49,63,69,71,81 (omit 59-61 and 64-67) Chpt 4 Rev WP Online (1,3,4,7,10,13,15,18,21,23,25,28,36,41,43,55,74,77)
	Chapter 8 Review	Chpt 8 Rev 3,4,5,6,8,11,13,16,17,18,19,20,21,23-30,32,35,36,38,41,42,43,45,47,48,52-62,64
17	Test 1 Chapter 4 and 8.1,8.2,8,3	Worksheet 1
18	5.1 Linear Functions	2,11,14,20,21,30,32,35,36,37,40,42,43 Section 5.1 WP Online (10,12,23,33,41)
19	5.2 Working with Linear Expressions	4,10,11,14,16,22,24,26,28,31,32,34,35,48,52,55,56,58 Sec 5.2 WP Online (6,7,13,18,21,25)
20	5.3 Solving Linear Equations	1,2,4,7,8,12,34,35,37,39,42,53,54 Section 5.3 WP Online (3,5,16,32,51,54,56)
21	5.4 Equations for Lines in the Plane	10,20,33,34,36 Section 5.4 WP Online (3,8,14,36)
22	5.4 Equations for Lines in the Plane	47,49,53,54,55,56,60,63,67 Section 5.4 WP Online (64,68)
23	5.5 Modeling with Linear Functions	4,5,9,11,14 Section 5.5 WP Online (2,8,10,15,17,19,20)
24	Linear Regression	Worksheet 2
25	5.6 Systems of Linear Equations	22,28,30,32,43,46 Section 5.6 WP Online (3,14,24,25,40,42,48)
26	Chapter 5 Review	3,4,5,6,7,8,9,10,13,14,15,17,25,26,29,34,37,56,57,59,61,65,66, 86,88,92,97,98,99,102,104,111,112,114,115,116,117,119,121,122, 123,125,128,131,132,157,158,161,171

Lesson	Section and Topic	Assignment
27	Test 2 Chapter 5	
28	Section 6.1 Integer Powers and the Exponent Rules Section 6.2 Fractional Exponents and Radical Expressions	Section 6.1 WP Online (24,29,49,54,55,56,65,74,75,80,82,93,101) Section 6.2 WP Online (3,6,8,11,13,14,15,21)
29	7.1 Power Functions	14,17,18 Section 7.1 WP Online (7,15,16,19)
30	7.1 Power Functions	30,32,33 Section 7.1 WP Online (29,31)
31	7.2 Working with Power Functions	17,18,21,26,38,39 Section 7.2 WP Online (3,5,7,8,10,24)
32	7.2 Working with Power Functions	41,45,48,53,54,70 Section 7.2 WP Online (40,42,43)
33	7.3 Solving Power Equations	4,10,17,43,46,47,48,49,54,56,69,75,76 Sec 7.3 WP Online (11,12,19,44,50,52,61)
34	7.4 Modeling with Power Functions	1,3,5,8,10,11,13,17,21,28,30 Section 7.4 WP Online (7,14,19,29)
35	Chapter 6 Review Chapter 7 Review	Chapter 6 Review WP Online (12,24,29,48,50) Chapter 7 Review 6,10,12,15,17,20,24,26,27,28,31,34,37,40,41,60,61
36	Test 3 Chapters 6 and 7	
37	10.1 Exponential Functions Class Examples: 1,4,10,18,25,31,38,39	8,9,12,14,15,17,18,21,22,24,25,26,32,35 Section 10.1 WP Online (6,7,11,23,27,28,29,33,34,37)
38	10.2 Working with Base of an Exponential Expression	7,10,11,13,16,17,25,29,32,33,34,37,42,43,44,46,47,51 Section 10.2 WP Online (3,4,9,13,18,20,22,23,26,38,39,45,49)
39	10.3 Working with the Exponent of an Exponential Expression	3,5,7,9,21,27,29,38,39,40,42,43,45,47 Section 10.3 WP Online (2,6,8,22,25,37,41,46,51)
40	10.4 Exponential Equations	5,13,14,19,21,22 Section 10.4 WP Online (4,6,17,19a)
41	10.4 Exponential Equations	24,27,31,32 Section 10.4 WP Online (25,26,29)
42	10.5 Modeling with Exponential Functions	5,9,25,26,29,32,33,37,38,39 Section 10.5 WP Online (2,7,8,23,28,35)
43	Modeling with Exponential Functions	Worksheet 4
44	10.6 Exponential Functions and Base e	4,5,8,9,16,Worksheet 5 Section 10.6 WP Online (1,3,6,10,15,23)
45	11.1 Introduction to Logarithms	4,19,23,26,29,31,34,45,71,73,75 Sec 11.1 WP Online (1,11,17,20,22,27,70,72)
46	11.2 Solving Exponential Equations using Logarithms	24,37,38,47,49,51,56,57,59,60,61,63 Sec 11.2 WP Online (6,9,10,45,46,48,50,58)
47	11.3 Applications of Logarithms to Modeling	5,20,23,25 Section 11.3 WP Online (6,11,12,18,19,24,27,28)
48	11.4 Natural Logs and Logs to other Bases	3,7,11,12,17,19,22,36,37,38,39,42 Sec 11.4 WP Online (6,14,15,18,20,26,40,41)
49	Chapter 10 Review Chapter 11 Review	1,2,3,5,7,9,11,19,20,25,26,29,30,31,34,35,36,37,39,46,55,57,59,61,63,64,65, 66,67,68,70,72,74,75,76,82,83 4,9,10,13,43,49,51,59,64,68,69,79,93,98,102,115,117,149,151,153,156,157,162,164
50	Test 4 Chapters 10 and 11	
51	9.1 Quadratic Functions	1,3,5,10,12 Section 9.1 WP Online (2,4,7,8,18)
52	9.1 Quadratic Functions	21,25,26,27 30,31 Section 9.1 WP Online (22,23,24,29,32)
53	9.2 Working with Quadratic Functions	1,3,4,6,7,8,10,13,17,24,27,35,37 Section 9.2 WP Online (2,5,14,34)
54	9.2 Working with Quadratic Functions	40,44,51,55,56,57,58,62,65,66,67 Section 9.2 WP Online (46,54,61,64)
55	9.3 Quadratic Equations	13,15,18,23,30b,34b,40b,47,56,60,62 Sec 9.3 WP Online (1,5,7,16,19,46,54,64)
56	9.4 Solving Quadratic Equations by Factoring	9,11,13,27,30,32,35,37,43,46,47,57,61,67 Section 9.4 WP Online (10,18,24,29,38,39,41)
57	Quadratic Regression	Worksheet 3
58	Worksheet 6	
59	12.1 Polynomial Functions	Section 12.1 WP Online (24,28)
60	12.3 Solving Polynomial Equations	7,11,12,21,31,35 Section 12.3 WP Online (22,24,26,49)

Lesson	Section and Topic	Assignment
61	12.4 Long Run Behavior of Polynomials	6,9,12,13,15,19 Section 12.4 WP Online (3,5,11,14)
62	Chapter 9 Review	5,8,10,12,15,18,19,22,33,37,39,40,44,45,49,51,53,54,66,67,84,85,86,88,89, 91,92,93,95-99,101,103,104,113,114,(omit 70-83)
63	Chapter 12 Review	11,17,22,31,32,33,34,35,36,53,55,59,61,62,80,81,82,83
64	Test 5 Chapters 9 and 12	
65	8.4 Inverse Functions	6,11,12,14,16,17,18,19,20 Section 8.4 WP Online (7,8,13,15)
66	8.4 Inverse Functions	21,26,27,31,32,34 Section 8.4 WP Online (24,29,30)
67	13.1 Rational Functions	5,9,16,17,19,31 Section 13.1 WP Online (7,15,26,27)
68-69	Review for Final	

Emergency Evacuation Procedure: A map of this floor is posted near the elevator marking the evacuation route and the **Designated Rescue Area**. This is an area where emergency service personnel will go first to look for individuals who need assistance in exiting the building. Students who may need assistance should identify themselves to the teaching faculty.

Last updated 27 December 2011.