

Math 1111 Fall 2009**Mrs. Cynthia Smith**Text: *College Algebra, 7th Edition or Augusta State Third Custom Edition*, by Michael Sullivan

<u>Class</u>	<u>Date</u>	<u>Section</u>	<u>Topic</u>	<u>Pages</u>	<u>Suggested Problems</u>
1	08/18	R.2	Algebra Review	26-28	1-4, 6-8, 10, 23-55 odd, 73-117 odd
		R.4	Polynomials	42-43	1 - 6, 7 - 87 odd, *89 -93
2	08/20	R.5	Factoring Polynomials	50-52	1 - 4, 5 - 127 odd
		R.6	Polynomial Division; Synthetic Division	57-58	1 - 4, 5 - 41 odd
3	08/25	R.7	Rational Expressions	68-69	1 - 4, 5 - *91 odd, *95
4	08/27	R.8	nth Roots; Rational Exponents	75-77	1 - 4, 5 - 73 odd, *97, *99, *101
5	09/01		TEST 1		
6	09/03	1.1	Linear Equations	93-95	1-8, 9-49 odd, 53 - 57 odd, 61, 65, 67, 77, 79, 81, *83-97 odd (page 94 #51, 59, 63)
7	09/10	1.2	Quadratic Equations	106-108	1-8, 9-33 odd, 47-67 odd, 75-91 odd, *93-105 odd
8	09/15	1.3	Quadratic Equations in the Complex Number System	116-117	1-8, 9-33 odd, 47, 49, 53-65 odd
9	09/17	1.4	Radical Equations; Equations	123 -124	1 - 6, 7 - 85 odd, *95 (page 117 #67,69, 71)
10	09/22	1.5	Solving Inequalities	133 - 136	1 - 10, 11 - 83 odd, *101 - 113 odd, *122
11	09/24	1.6	Equations and Inequalities Involving Absolute Value	139 – 140	1-6, 7-23 odd, 31 -53 odd, *55, Departmental Worksheet
		1.7	Applications: Interest, Mixture, Uniform Motion, Constant Rate Jobs	147 - 150	1 - 6 odd, 7 - 49 odd
12	09/29		Test 2		
13	10/01	2.1	Rectangular Coordinates	163 - 164	1 - 10, 11 - 45 odd, 51, 55, 57, *61, *65
14	10/06	2.2	Graphs of Equations (Just discuss intercepts.)	174 - 175	1, 2, 3, 15a. - 21a. odd, 33- 47 odd
		2.3	Circles	179 - 180	1 - 6, 7 - 47 odd, *51
15	10/08	2.4	Lines	190 - 193	1-6, 7-71 odd, 72, *73 - 81 odd, 91, *93 – 99 odd
	10/12		Midterm		
16	10/13	2.5	Parallel and Perpendicular Lines	197 - 198	1 - 4, 5 - 39 odd
17	10/15	2.7	Variation	209 -211	1,2, 3 - 35 odd
18	10/20		TEST 3		
19	10/22	3.1	Functions	228 - 231	1 - 14, 15 - 69 odd, *85 - 95 odd
		3.2	The Graph of a Function	236 - 239	1-8, 9-27 odd, 31, *38 -41

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20	10/27	4.1	Quadratic Functions and Models	306 - 309	1 -10, 11 - 18, 35 - 51 odd, 59-65 odd,*69,*71,*75
21	10/29	4.6	The Real Zeros of a Polynomial Function (Remainder and Factor Theorems)	374 - 375	1 - 6, 11 - 19 odd, 105
22	11/03	5.1	Composite Functions	397 - 399	1 - 6, 7 - 47 odd, *63
		5.2	Inverse Functions	409 - 411	1-8, 9-43 odd, 47-59 odd, *71
23	11/05		TEST 4		
24	11/10	5.3	Exponential Functions	423-427	1, 2, 6-10, 11-19 odd, 29, 33, *75-79 odd, *81 a,b, *85 Graph $y=3^x$, $y=3^{-x}$, $y=(1/3)^x$, $y=5^x$, and $y=e^x$
25	11/12	5.4	Logarithmic Functions	437-441	1-5, 9-55 odd, 57-60, 63, 65, *111, *113
26	11/17	5.5	Properties of Logarithms	448/449	1-6, 7-21 odd, 31-71 odd
27	11/19	5.6	Logarithmic and Exponential Equations	454-455	1-33 odd (page 425, 53-63 odd) (page 439, 91-109 odd)
		5.7	Compound Interest	462 - 464	1, 2, 3-35 odd
28	11/24		TEST 5		
29	12/01	7.1	Systems of Linear Equations	544 - 547	1 - 6, 7 - 53 odd, *55, *57, *59
		7.7	Systems of Inequalities	614 - 616	1-10, 11-19 odd, 23-31 odd, 35-45 odd, *61, *63, *65
		7.8	Linear Programming	622 - 623	1, 2, 3-17 odd, *19-25 odd
30	12/03		TEST 6		
31	12/08		OPTIONAL EXAM REVIEW		
	12/10		DEPARTMENTAL EXAM, 3:30 p.m. - 5:30 p.m.		

These are suggested problems. Other problems may be required. The * indicates an application or writing exercise. The writing exercises may be used for class discussions.

A scientific calculator is required for MATH 1111. The TI-83 or TI-83 plus is preferred and allowed for use on the final. The TI-89 and TI-92 calculators are not allowed, or any other calculator with a computer algebra system. Cell phone calculators are not allowed.

