

		Math 121	Show <b>all</b> work for credit and do <b>all</b> work <b>neatly</b> and <b>legibly</b> . No fuzzy edges. Please use standard sized paper (printer paper is fine)		
	<b>HOMEWORKS THAT PREPARE YOU FOR TEST 1:</b> Late homework not accepted. The problems marked with a * are bonus problems, they will increase your homework score if you do them correctly. I do not cap the homework score at 100. If you had a 105 homework average then this would help balance out points lost in other aspects of the course. In any event, completion of the homework is likely the most vital step towards success in this course.				
	Due	Sec.	page	Problems	Topic
	1-16	P.1	9	10, 24, 32, 60, 78, 84, 110 *	Number Systems
	1-16	8.3	622	93, 94*	Repeating Decimals
	1-16	P.2	21	10, 12, 18, 22, 24, 26, 30, 35, 66, 87*	Exponents, Radicals
	1-23	P.3	29	16, 24, 38, 40, 58, 60, 62, 64, 66, 70, 74, 90, 92, 104* (please use algebra to multiply these out, do not use the special form short-cuts, thanks.)	Polynomial Multiplication
	1-23	P.4	38	10, 14, 18, 68, 72, 80, 82, 86, 100, 106, 108, 112, 116*	Factoring Polynomials
	1-23	P.5	48	20, 26, 27, 38, 40, 42, 49, 52, 53, 54, 61, 65, 67, 71, 74*	Rational Expressions
	1-23	P.6	56	20, 22, 24, 28, 30, 32, 36, 38, 44, 46, 48, 50, 57, 58*	Skill Builders
	1-30	1.1	86	2, 8, 10, 12, 57, 62*	Graphing Equations
	1-30	1.2	94	34, 73, 76, 78, 80, 84, 100, 109*	Linear Equations in one variable
	2-6	1.4	120	10, 12, 16, 20, 24, 28, 32, 34, 38, 44, 48, 60, 62, 70, 74, 76, 112, 117*	Quadratic Equations
	2-6	1.5	131	2*, 14*, 28*, 40*, 50*, 56*, 66, 70, 83*, 101, 102*	Complex Numbers
	2-6	1.6	140	3, 4, 8, 15, 22, 34, 40, 46, 60, 66, 67, 91*(based on E9 on 139)	Skill Building
	2-13	1.7	150	26, 28, 30, 32, 34, 37, 42, 46, 50, 54, 60, 76, 80, 88, 95*	Linear Inequalities
	2-13	1.8	161	4, 5, 8, 10, 14, 18, 24, 40, 42, 54, 56, 58*	Polynomial Inequalities
	2-13	2.1	183	2, 10, 16, 20, 32, 54, 70*	Lines
	2-16			REVIEW SESSION FOR TEST 1	
	2-18			TEST 1 (closed book, partial credit can be earned, based on homework)	

## HOMEWORKS FOR TEST 2

Late homework not accepted. The problems marked with a \* are bonus problems, they will increase your homework score if you do them correctly. I do not cap the homework score at 100. If you had a 105 homework average then this would help balance out points lost in other aspects of the course. In any event, completion of the homework is likely the most vital step towards success in this course.

	2-27	2.2	197	5, 6, 24, 28, 32, 36, 44, 48, 52, 56, 60, 66, 69, 77, 79, 80, 85, 93*	Functions
	2-27	2.3	210	3, 6, 7, 8, 10, 12, 16, 18, 20, 62, 66, 97, 98*	Graphs of Functions
	3-27	2.5	228	8, 10a, 10b, 11c, 14, 22, 24, 26, 40, 42, 48*	Graphing by Transformations
	3-6	2.6	238	2, 8, 10, 12, 14, 16, 18, 20, 34, 38, 46, 50, 51, 70, 71*	Composite Functions
	3-6	2.7	248	8, 10, 14, 20, 23, 28, 32, 40, 45, 69*	Inverse Functions
	3-6	3.1	270	2, 8, 14, 17, 18, 20, 23, 24 ( there may or may not be x-intercepts for 14, 17, 18, 20, 23 and 24), 44, 48, 76*, 78, 82	Quadratic Functions and Models
				<b>SPRING BREAK (March 9-13)</b>	<b>"The Holidays"</b>
	3-20	3.2	284	2, 8, 11, 28, 34, 38, 40, 42, 60	Polynomial Functions
	3-20	3.3	295	2, 6, 13, 14, 38, 42, 57, 58, 59, 61, 62, 70, 76, 84*	Long Division and guided factoring.
	3-20	3.4	308	2, 6, 12, 22, 38, 42, 48, 50, 54, 60, 68, 72*	Zeros of Polynomial Functions, guided factoring
	3-20	4.1	341	8, 10, 11, 12, 20, 23*	Rational Functions and their Asymptotes
	3-20	4.2	350	14, 18, 24, 26, 28, 30*	Graphs of Rational Functions
	3-23			<b>REVIEW SESSION FOR TEST 2</b>	
	3-25			<b>TEST 2 (closed book, partial credit can be earned, based on homework)</b>	

## HOMEWORK COVERED BY TEST 3

Late homework not accepted. The problems marked with a \* are bonus problems, they will increase your homework score if you do them correctly. I do not cap the homework score at 100. If you had a 105 homework average then this would help balance out points lost in other aspects of the course. In any event, completion of the homework is likely the most vital step towards success in this course.

	4-3	5.1	392	2, 8, 9, 10, 18, 44, 46, 48, 52, 56, 58, 66*	Exponential Functions
	4-3	5.2	402	2, 10, 18, 22, 24, 30, 34, 64, 70, 72, 80, 86*	Logarithmic Functions
	4-3	5.3	409	8, 12, 18, 24, 30, 38, 48, 50, 58, 60, 62, 68, 78*	Properties of Logarithms
	4-3	5.4	419	12, 14, 22, 26, 52, 59, 78, 86, 91, 95, 102 *	Solving Equations with Exponentials and Logarithms.
	4-8			Assessment Day (No Lecture)	
	4-10	6.1	455	6, 8, 9, 18, 24, 30, 32, 55, 56	Linear and Nonlinear equations.
	4-10	6.2	467	2, 6, 12, 16, 26	Linear Equations in 2 unknowns
	4-10	6.3	471	2, 6, 10, 14, 44, 45, 46, 48, 50, 65*	Linear Equations in 3 unknowns
	4-13			Easter Break	
	4-17	6.5	500	2, 4, 35, 36, 44*	Systems of Inequalities
	4-17	6.6	510	6*, 14*	Linear Programming (bonus section)
	4-17	7.2	549	1, 2, 6, 31, 32, 33, 42, 44, 81*, 82*	Matrix Math
	4-17	7.3	561	12, 13, 16, 18, 21, 22 (use website calculator, or matrix-math capable calculator for #21 and #22, I don't intend for you to be able to do 21 or 22 by hand) 46, 50, 54, 71*, 75*	Inverse Matrices
	4-24	7.1	534	8, 10, 14, 16, 37, 38, 54, 56, 58 (use any method covered in lecture to solve #'s 54, 56, and 58; your choice), 82*	Solving Linear Systems with Matrices
	4-24	7.4		4, 8, 37, 44, 62, 76, 85*(justify or no bonus)	Determinants
	4-24	7.5		1, 2, 3, 4, 8, 9, 49, 51, 52, 56, 57*	Cryptography and Applications of Matrices
	4-27			REVIEW SESSION FOR TEST 3	
	4-29			TEST 3 (closed book, partial credit can be earned, based on homework)	
	5-1			Fri. May 1, 1-3pm, usual room, Final Exam for Section 4	Cumulative
	5-6			Wed. May 6, 1-3pm, usual room, Final Exam for Section 6	Cumulative