MATH 120 FINAL EXAM OBJECTIVES

NO.	MATH 120 - COLLEGE ALGEBRA OBJECTIVES	ASSESSMENT PROB. NO.
3	Solve quadratic equations	1, 2, 8
1	Solve a quadratic type	4
1	Solve a rational equation	5
1	Solve a radical equation	3
1	Solve an absolute value equation	13
2	Multiply, Add/Sub, complex numbers	6, 7
1	Identify which equation does not represent a function of x	9
1	Evaluate a function	10
4	Find the domain of a function: radical, rational, and log	11, 17, 31, 44
1	Transformation of a graph	12
1	Find the equation of a line given slope and y-intercept	14
1	Given a graph of a function: find $f(x)>0$	48
3	Given the graph of a function, find the equation of the function	16, 20, 22
1	From a polynomial graph, identify the Leading Term	47
1	From a polynomial graph , identify increasing and decreasing intervals	49
1	Find the slope of a line given the equation	18
1	Determine whether a function is odd, even, or neither	19
1	Determine whether a function is symmetric to the x-axis, y-axis, origin or has no symmetry	21
1	Write a quadratic equation in standard form	23
1	Divide polynomials	24
1	List all the possible rational zeros	25
1	Determine the left and right hand behavior of a graph	15
1	Find all the zeros and the possible multiplicity of a polynomial function	50
1	Variation application	27
1	Find the vertical and/or horizontal asymptote	28
1	Solve a quadratic inequality	29
1	Find the equation of a quadratic given x-intercepts and opens up/down	30
1	Go back and forth between log and exponential form	32
2	Simplify log expressions	34, 36
3	Solve exponential and log equations	33, 35, 39
1	Given a function, find its inverse	26
1	Write a single log expression as separate logs	37
1	Write as a single log expression	38
3	Exponential and log applications	40, 41, 45
1	Find the center and radius of a circle from an equation of a circle	42
1	Find the solution or number of solutions to a non-linear system	43
1	Find the solution of a 3-variable system using matrices	46