

MATH 125
Review for Final Exam

The test will be divided into the following eight sections:

I.	Functions	(3)	(Sections 3.1 & 3.4) 3.1--#15-26, 33-38 3.4--#29-32
II.	Solving Equations	(3)	(Section 4.4--#7-16, 23-30) A. Exponential Equations B. Logarithmic Equations
III.	Application Problems	(5)	(Sections 3.3, 3.4, 5.1, 5.2, 5.3) A. Cost function B. Revenue function C. Break-even point D. Profit function E. Maximum Profit/Minimum Cost F. Present Value of an Annuity G. Amortization Payment H. Present Value with Compound Interest
IV.	Matrices	(1)	(Section 6.2 -- #45, 55) A. Solve system of equations using Gauss-Jordan Method
V.	Probability	(3)	(Section 9.2--#27,28,30,39,41,48) A. Multiplication Principle B. Permutations C. Combinations
VI.	Venn Diagrams	(3)	(Section 8.2--#1-8,11-16,19,24) A. Shading specified area B. Use to solve word problem
VII.	Statistics	(2)	(Sections 10.2 & 10.3) A. Mean B. Median C. Mode D. Range E. Standard Deviation
VIII.	Formulas Provided on Final Exam		10.2-- #1-5, 10-18 10.3 -- #3-10
	A.	Amortization Payment	
	B.	Present Value with Compound Interest	
	C.	Present Value of an Annuity	
	D.	Standard Deviation	