## **MATH 125**

Review for Test #1 Sections 2.5, 3.1-3.4

Section 2.5: The test will be divided into five	2
Quadratic Inequalities sections as indicated below:	
Rational Inequalities 1. Functions (7	)
2. Inequalities (2)	
Section 3.1: 3. Quadratic Functions (2)	
Domain of Functions 4. Application Problems (5	)
Evaluating Functions 5. Graphing (4)	)
Section 3.2: The numbers in parentheses ind	icate
Graphs of Functions – the number of problems in each	
Piecewise Linear Function	-
Absolute Value Function	
Review Problems:	
Section 3.3: Chapter 2 Review Exercises –	
Profit Equation Pg. 109: #55-66	
Revenue Equation Chapter 3 Review Exercises –	0.50
Cost Function Pg. 187: #7-16, 19-20, 2	9-30
Break-even Point	
Fixed Cost	1
Marginal (Variable) Cost  NOTE: These review problems	
Supply & Demand not represent an exhaustive list of	
Equilibrium Point problems on the test. These are	-
examples that are similar to mar	ıy of
Section 3.4: the test problems. Use your	

homework assignments and class

notes for further review.

## Section 3.4:

Quadratic Functions

Opens Up/Down Axis of Symmetry Vertex x and y-intercepts Graph Parabola Find the Rule Applications