Math 125 Suggested Practice Problems Fall 2014

Section	Topic and Suggested Practice Problems
7.1	Limits 1-4, 13-40, 51-54, 65-70
7.2	Continuity 1-30
7.3	The Derivative and the Slope of a Graph 19-23, 29-37, 41-43, 53-58
7.4	Some Rules for Differentiation 1-24, 37-44, 51-60
7.5	Rates of Change: Velocity and Marginals 15, 16, 19, 22, 25, 29, 32
7.6	The Product and Quotient Rules 1-20, 31-49, 63-65
7.7	The Chain Rule 21-36, 47-62, 71
8.1	Higher – Order Derivatives 1-18, 25-30, 35, 36
8.4	Increasing and Decreasing Functions 3, 5, 10, 15-33, 47
8.5	Extrema and the First – Derivative Test 1-9, 21-25, 43, 44, 47
8.6	Concavity and the Second – Derivative Test 1-9, 13-17, 21-27, 51-56, 61-63
9.1/9.2	Optimization Problems, Business and Economic Applications: 9.1: 5, 6, 11, 13, 15, 36 9.2: 15-22, 33
9.5	Differentials and Marginal Analysis 13-18, 33, 35, 37
10.3 & 10.5	Derivatives of Exponential and Logarithmic Functions 10.3: 1-16, 19, 21, 31-34, 47, 48 10.5: 1-15, 35-43, 65, 73
11.1	Antiderivatives and Indefinite Integrals 1-17, 25-36, 45, 46, 49, 55, 59, 63, 69
11.2	Integration by Substitution and the General Power Rule 9-41
11.3	Exponential and Logarithmic Integrals 1-41
11.4	Area and the Fundamental Theorem of Calculus 7-33, 47-59, 76
11.5	The Area of a Region Bounded by Two Graphs 1-7, 15-21, 50