Math 1200 Homework from Stewart, Edition 7

Class 1 – Course Manual, Page 1: Inequalities and Absolute Value
Questions: #1-7, 12

Class 2 – Appendix A: Trigonometry Review
Questions: #13-41 odd, 63, 66, 67 plus the rest of Page 1 of the Course Manual

Class 3 – Section 1.6: Calculating Limits Using the Limit Laws
Questions: #1-31 odd

Class 4 – Section 1.5: The Limit of a Function
– Section 1.6: Calculating Limits Using the Limit Laws
Questions (1.5): #4, 5, 7, 15, 17; and
Questions (1.6): #41-53 odd

Class 5 – Section 1.5: The Limit of a Function
– Section 3.4: Limits at Infinity; Horizontal Asymptotes
Questions (1.5): #3, 9, 29-37 odd;
Questions (3.4): #1, 3, 9-29 odd

Class 6 – Section 1.7: The Precise Definition of a Limit
Questions: #1, 2, 15-27 odd

Class 7 – Section 1.7: The Precise Definition of a Limit
Questions: #29, 31, 33, 36, 39

Class 8 – Section 1.7: The Precise Definition of a Limit
Questions: #29, 31, 33, 36, 41-44

Class 9 – Section 1.8: Continuity
Questions: #1, 2, 3, 17, 19, 21, 33, 39, 41, 43, 45

Class 10 – Section 1.8: Continuity
Questions: #49, 51, 53, 55, 61

Class 11 – Section 2.1: Derivatives and Rats of Change
– Section 2.2: The Derivative as a Function
Questions (2.1): #25-35 odd;
Questions (2.2): #1-11 odd, #19-29 odd, #35, 37, 54

Class 12 – No textbook homework assigned.

Class 13 – Section 2.3: Differentiation Formulas
Questions: #1-41 odd

Class 14 – Section 2.4: Derivatives of Trigonometric Functions
– Section 2.5: The Chain Rule
Questions (2.4): #39-47 odd, #55;
Questions (2.5): #1-45 odd, #51, 53

Class 15 – Section 2.3: Differentiation Formulas
– Section 2.6: Implicit Differentiation
Questions (2.3): #59, 61, 63, 86;
Questions (2.6): #5-19 odd, #23, 35, 37, 44, 45

Class 16 – Section 2.8: Related Rates
Questions: #1-15 odd, 29, 31, 33

Class 17 – Section 2.9: Linear Approximations and Differentials
Questions: #11-17 odd, 23-27 odd

Class 18 – Section 3.1: Maximum and Minimum Values
Questions: #1-11 odd

Class 19 – Section 3.1: Maximum and Minimum Values
Questions: #1-21 odd

Class 20 – Section 3.4: Limits at Infinity; Horizontal Asymptotes
– Section 3.5: Summary of Curve Sketching
Questions (3.4): #33, 35, 37, 44, 46;
Questions (3.5): #1, 5, 9, 13, 25, 29, 30

Class 21 – Section 3.7: Optimization Problem
Questions: #3, 7, 15, 19, 21, 23, 25, 35, 38

Class 22 – Section 3.9: Antiderivatives
Questions: #1-17 odd, 21, 23, 25

Class 23 – Section 4.4: Indefinite Integrals and the Net Change Theorem
– Section 4.5: The Substitution Rule
Questions (4.4): #5-15 odd;
Questions (4.5): #1-29 odd, #35-49 odd

Class 24 – Section 4.2: The Definite Integral
Questions: #1, 3, 5, 15, 17, 19, 21, 23

Class 25 – Section 4.2: The Definite Integral
Questions: #15, 21, 23, 31, 33

Class 26 – Section 4.2: The Definite Integral
Questions: #33, 42, 47, 49

Class 27 – Section 4.3: The Fundamental Theorem of Calculus
Questions: #7-37 odd

Class 28 – Section 5.1: Areas Between Curves
Questions: #1-27 odd, 31

Class 29 – Section 6.3: Logarithmic Functions
Questions: #1-17 odd, 25, 27, 29, 31, 45, 47, 49, 50

Class 30 – Section 6.2: Exponential Functions and Their Derivatives
Questions: #23-45 odd, 61(a), #79-89 odd

Class 31 – Section 6.4: Derivatives of Logarithmic Functions
Questions: #1-33 odd, 34, #71-81 odd

Class 32 – Section 6.4: Derivatives of Logarithmic Functions
Questions: #43-57 odd

Class 33 – Section 5.5: Average Value of a Function
Questions: #1-9 odd, 13, 23