Assignments Calculus I

Math 131 Spring 2017

Problems are from Stewart's *Calculus*, eighth edition. While these will not be collected, working as many problems as possible is a key to success in Calculus. Think of the following as a suggestion of where to get started, but (especially if you find you are struggling) add additional problems.

Chapter 4: Applications of Derivatives

[Note: 4.6 and 4.8 are not covered]

Section 4.1: 3-6 all, 29-39 odd, 47-61 odd

Section 4.2 1, 3, 5, 7, 9, 13, 21, 23, 25, 27, 31, 36

Section 4.3 1, 5, 7, 9, 13, 15, 23, 25, 29, 35, 45, 51, 67

Section 4.4 1, 7, 9, 13, 19, 25, 27, 31, 35, 43, 51, 57, 59, 63, 75, 79

[Up to 4.4 covered on Exam 3]

Section 4.5 3, 25, 35, 51, 57

Section 4.7 1, 3, 7, 11, 15, 21, 49, 53

Section 4.9 3, 5, 9, 13, 15, 17, 29, 39, 41, 45, 69, 77

Section 5.1 3, 5, 13, 21, 25

Section 5.2 7, 9, 17, 19, 21, 33, 35, 37, 39, 45, 47, 49, 51, 52, 55, 57, 61

Section 5.3 3, 5, 7, 11, 13, 19, 25, 29, 35, 39, 41, 47, 55, 59, 65, 73

Section 5.4 3, 9, 15, 17, 31, 37, 53, 56, 63, 71, 73

Section 5.5 1-31 odd

Chapter 3: Derivative Rules

Section 3.1: 3, 7, 9, 11, 13, 23, 51, 53, 59, 69, 19, 31, 37, 49

Section 3.2: 2, 5, 7, 11, 17, 23, 25, 33, 41, 43, 49, 47, 61

Section 3.3: 1, 3, 5, 9, 11, 17, 23, 35, 37, 39, 41, 44, 45, 53

Section 3.4: 5, 7, 11, 13, 19, 21, 23, 35, 39, 53, 61, 67, 73, 77, 85, 87

Section 3.5: 3, 7, 15, 19, 21, 25, 31, 39, 45, 49, 51, 57, 65

Section 3.6: 3, 7, 9, 15, 19, 23, 31, 33, 39, 41, 43, 45

Section 3.7: 3, 5, 7, 15, 17, 18, 25, 31, 39

Section 3.8: 1, 3, 5, 9, 11, 15

Section 3.9: 3, 5, 9, 11, 13, 15, 17, 19, 25,30, 33, 45

Section 3.10: 5, 13, 15, 17, 19, 23, 27, 29, 33, 36, 43

Chapter 2: Limits and Derivatives

2.1 1, 3, 7, 9

2.2 2, 4-9 all, 11, 15, 17, 19, 23, 25, 31-37 odd

2.3 1, 5, 9, 13, 15, 19, 21, 25, 29, 31, 39, 45, 49, 65

2.5 3, 5, 7, 13, 19, 21, 23, 29, 31, 39, 47

2.6 3-9 odd, 15, 19, 25, 27, 28, 29, 35, 37, 39, 61, 67, 68

2.7 7, 11, 13, 17, 23, 25, 27, 31-36 all, 37, 39, 41, 49, 51, 59

2.8 1-9 odd, 15, 27, 35, 39, 47,49, 51