Math 148 – Suggested Homework
Textbook: *Calculus for Biology and Medicine* by Neuhauser and Roper, 4th edition

Chapter 4 Review – page 211: 1-21, 23, 24, 26-29, 31, 32 (Work as many of these as necessary to review differentiation.)

Section 6.2 – 39-115 odd (Work as many of these as necessary to review integration.)

Section 7.1 – 1-31 odd, 43-59 odd (Work as many of these as necessary to review integration by substitution.)

Section 7.2 – 1-25 odd, 31, 39-49 odd, 50, 53, 54, 55, 59, 67, 69

Section 7.3 – 1, 5, 7, 11, 15-45 every other odd, 47, 48, 49-83 every other odd

Section 7.4 – 1, 3, 5, 9, 17, 19, 21, 23, 29, 33, 34, 35, 37-40, 42, 43

Section 7.6 – 6, 7, 11, 15, 17, 19, 21, 23, 27-30 even and odd (use Taylor's Inequality as given in class), 32

Chapter 7 Review – page 424: 1-19 odd, 25-49 odd, 55-58

Section 8.1 – 5, 7, 9, 11, 15, 17, 19, 23, 24, 25, 29, 31, 33, 37, 41, 43, 47, 51, 55, 59

Section 8.2 – 1, 3, 9, 13, 15, 19, 49, 77, 79, 83, 85, 89(b), 89(d), 91, 93

Section 8.3 – 1, 3, 5, 11, 12, 19

Section 9.1 – 1, 3, 4, 5, 7, 11-17 odd, 18, 21-35 odd

Section 9.2 – 1-11 odd, 15, 16, 17-21 odd, 27, 29, 33, 41-47 odd, 48, 51, 52, 53, 55, 57, 58, 63, 65

Section 9.3 – 1, 3, 5-8, 9, 13, read pg. 520 about vector addition and scalar multiplication (starts right after the solution to Example 1), read Example 2 on pg. 520-521, 17, 21, 22, 23, 27, 29, 31, 35-41 odd, 42, 43, 45, 46, 49, 51, 53-57, 59, 61, 69, 70, 71-74

Section 9.4 – 1-9 odd, 13, 15, 17

Section 9.5 – 1-29 odd, 35, 37, 39-42

Section 10.1 – 1, 3, 5, 8, 9, 13, 15, 16, 17, 19, 21, 25-30, 39, 40, 42, 43, 46, 47

Section 10.2 – 7-17 odd, 18, 19, 20, 21-29 odd

Section 10.3 – 1-27 odd, read Example 4 starting on page 585, 29-49 odd, 50

Section 10.4 – 1-9 odd, 17-47 odd

Section 10.5 – 1-6, Example 2 on page 600-601

Section 10.9 – 1, 3, 4, 5, 7, 9, 10, 11, 17, 19-23, 25, 27-41 (For problems 1, 5, 7, and 11, you may want to use a spreadsheet to help you compute the values.)

Section 11.1 – 1, 3, 5, 9, 10, 11, 13-18, 19-65 odd (Note: "sink" = "stable node" and "source" = "unstable node")

Section 11.2 – 1, 5, 7, 9, 15, 17, 19, 21

Section 11.3 – 1-14, Example 2 starting on page 691

Section 11.4 – 1-9 odd, 13, 15a, 15b, 17a, 17b, 20-24