Math 151 Calculus I – Fall 2019
Tentative Homework Problems – Stewart 8th Edition

Nonlinear Inequalities Worksheet

App. A, p. A9: #47-55(odd)

Section 1.1, p. 19: #1, 3, 7, 9, 25, 27, 29, 31, 33, 35, 41, 45[table will help], 49, 57, 63, 70, 73, 76

Section 1.4, p. 49: #5, 6, 7, 1, 3 [Note: estimated values may differ from answers in the back of the book.]

Section 1.5, p. 59: #1, 2, 5, 7,10, 11, 19, 23, 15, 17, 3, 6, 9, 29, 31, 37, 39, 40, 41

Section 1.6, p. 70: #1, 2, 9, 10, 11, 15, 17, 19[Hint], 23, 21, 27, 33, 35, 37, 39, 49, [41, 45]

Section 1.8, p. 91: #3, 6, 7, 9, 17, 19, 21, 27, 41, 45, 47, 49(a,b), 51, 53, 54

Section 2.1, p. 113: #3, 7, 13, [14], 15, 18, 27, 31, 33, 37, 39, 46 // 17, 21, 51

Section 2.2, p. 125: #1,3, 5, 10, 13, 19, 23, 25, 27 // 9, 11, 41, 42, 56(a) [Hint: Use formula 5 on p. 109], 57

Section 2.3, p. 140: #1, 3, 5, 7, 15, 16, 45, 47, 52, 77, 79 //

11, 23, 25, 29, 31, 38, 46, 51, 69, 75, 82 //

11, 21, 24, 27, 35, 37, 40, 55[tangent line only], 71 //

59, 61, 63, 88(b), 89, 90, 94, 99, 104 & Section 2.2 #47

App D, p. A32: #1, 5, 9, 11, 17, 21, 23, 25, 35, 37, 77, 29, 31, 33, 65-75(odd)

Solving Trigonometric Equations Worksheet

Section 2.4, p. 150: #17, 18, 19, 1-15(odd), 21, 24, 25, 28, 29, 30, 31, 33, 35, 39, 43, 50

Section 2.5, p. 158: #1, 3, 7-45(every other odd), 49, 51, 53, 59, 61, 63, 67, 68, 70, 73, 75, 88

Chapter 2 Review Exercises, p. 197: #13, 17, 21, 25, 33, 37, 41, 47, 49(tangent line only), 53, 59, 61-71(odd)

Chapter 2 Review True False Quiz, p. 196: #2-7(all), 10-12(all)

Section 2.7, p. 178: #1-9(odd), 17, 11(don't do geom. description), 15, 23(a,b), 29, 30, 31 // [13, 19]

Section 2.9, p. 192: #1-5(all), 23, 25, 27, 29, (7, 10 don't do accuracy part), 11-21(odd), // 31, 33, 36

Section 2.6, p. 166: #1, 3, 5, 9, 11, [13, 15, 17], 19, 21, 23, 25, 27, 31, 59[Hint:] // 35-39(all)   [tbd]

Section 2.8, p. 185: #9, 11, 3, 7, 13, 15, 29, 43, 25 37, 17, 20, 31, 41

This is merely a rough and tentative guide for the problems that will be assigned in each section in the book – *it is subject (and likely) to change*. It also does not include any worksheet assignments. **Always refer to the assignments updated daily on the course website http://crawford.elmhurst.edu**

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Section 3.1, p. 211: #1-5(odd), 7, 11, 15-27(every other odd), 29, 33, 36, 37, 41, 42, // 45, 49, 51, 53, 55, 56, 63

Section 3.3, p. 227: #3a, [(a,b): 1, 5, 8, 9, 13, 31, 33, 41, 44] // [Finish: 1, 3, 8, 9, 13, 31, 33, 41, 44], 21, 25, [27], 15

Section 3.4, p. 241: #1, 7, 9, 11, 35, 46, 49, // 3, 27, 38, 39, 44, 45, 59, 17, 40, 21, 29, 55

Section 3.5, p. 250: # [17, 23, 29, 39 – derivatives on worksheet], 1, 5, 9, 37, 45, 47, 51, [53]

Section 3.2, p. 219: #1-15(odd), 17, 18, 25, 27

Section 3.7, p. 264: #[3, 11, 15, 21, 23], 31, 7, 8 // 17, 25, 34, 35, 37, 49, 59

Section 3.8, p. 276: #1, 3, 5, 7, 11, 13, 15, 17, 25, 29, 31, 33

Section 3.9, p. 282: #1, 5, 7, 14, 19, 21, 23, 31, 33, 35, 43, 45, 47, 49, 55, 57

App. E, p. A38: #1-19(every other odd), 21, 25, 29, 33, 43, 45

Section 4.1, p. 303: #1, 2, 4(a), 5(a)[n=3,6], 5(b)[n=6], 5(c)[n=6], 17, 21, 23, 25, 26

Section 4.2, p. 316: #1, 17, 19, 21, 23, 33, 34, 35, 37, 39, // 41, 43, 47, 48, 51-63(odd)

Section 4.3, p. 327: #19-37(every other odd), 47, 49, 51, 71 // 1, 3, 4, 5-17(odd), 53, 55, 60, 61, 65, 74[Hint]

Section 4.4, p. 336: #1, 2, 5-41(every other odd), 45, 47, 49, 53, 55, 56, 57, 58, 61

Section 4.5, p. 346: #1, 3, 4, 5, 7-29(every other odd) // 35-45(every other odd), 49, 59, 61, [47, 48 rationalizing]

Section 5.1, p. 362: #1, 3, 5-27(every other odd), 29, 33, 35, 53, 57

Section 5.2, p. 374: #[SUO: 1, 3, 4, 5, 6, 19, 31], 39, 40 // [SUO: 11, 13, 14, 17, 20, 27, 33], 43, 44 // 54, 55, 63, 65[Note]

Section 5.3, p. 381: #1, 3, 5, 7, 8, 27 // 9, 13, 15, 17, 23(a), 25(a), 37, 38

Section 5.4, p. 386: #1-11(odd), others tbd

Section 5.5, p. 391: #1-11(odd), 14, 15, 16, 17, 19

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