Math 152 Calculus II – Spring 2020
Tentative Homework Problems – Stewart, 8th edition

Review and Preparation

Inverse Functions Review 6.1, p. 406: # 3-8, 15, 31

6.2*, **p. 445 (blue pages)**: #1-9(odd), 13, 15, 19, 20, 21, 25, 27, 32, 37, 41, 47, 49, [57] // 61-71(odd), 72, 75, 79, 80

6.1, p. 406: #1, 9, 11, 13, 17,18, 19, 20, 23, 25 // 35, 36, 37, 39, 41, 43

6.3*, **p. 452 (blue pages)**: #3, 5, 7, 11, 13, 15, 19, 21, 23, 27, 29, 31, 33, 41, 43, 47, 53, 55, 59, 61, 65, 67, 71 79, 85, 87, 89, 93

6.4*, **p. 463 (blue pages)**: #1, 3, 6, 11, 17, 21, 23, 25, 27, 29, 43, 35, 37, 39, 41 // 7, 10, 31, 33, 45, 47, 49, 51

6.5, p. 471: #1, 4, 5, 8, 9, 11, 20, 21 // 15, 17

9.3, p. 645: #1, 3, 5, 9, 10, 11, 13, 17, 19, 24

6.7, p. 489: #1, 3, 5(a), 11, 15, 19, 21, 23(a,c,e,g,i), 31-39(odd), [48, 50 Notes], 51(a), 59, 61, 63 // 41, 43, 45, 57, 65, 67

6.6, p. 481: #3, 5, 7, 9, 11, 13, 14, 17-35(every other odd), 37, 39, 40, 43, 45, 48, 49, 51, 58, 59-73(odd)
6.7, p. 489: #51(b)

6.8, p. 499: #1, 4, 5, 7, 9, 14, 19, 25, 29, 34 // 44, 49, 59, 63, 67, 71, 73, 93[Write $S(x)$ explicitly and use FT of C]

7.1, p. 516: #2, 5, 7, 9, 11, 13, 15, 17, 18, 19, 23, 27, 31, 33, 57// 37[z = sqrt(x))], 47, 51[u=(ln x)^n], 55

7.2, p. 524: #1, 5, 9, 13, 15, 19, 21, 25, 29, 33, 37, 45, 49, 57, 61(set-up only) // 41, 43, 53, 67

7.3, p. 531: #1, 5, 7, 11, 19, 21, 32, 33 [29 u-subs. first, then trig subs.], [23, Complete the Square],

7.4, p. 541: #1, 5, 9, 17, 21, 23, 27, 37(PFD only), 65, 67 // 29, 53, 57, 65, 67 // 39, 41, 45

7.5, p. 547: #1, 5, 9, 11, 13, 17, 30, 33, 37, 40, 45, 51, 53, 73, 75

7.6, p. 552: TBD

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.**

7.7, p. 564: #1, 5, 9(a,c), 17(b,c), 21(a – Don't find Errors), 31(a), 34 // [Error Analysis: 21(b,c), 22, 27, 31(b)]
7.8, p. 574: #5, 9, 13, 18, 19, 21, 23, 41 // 1, 2, 27, 31, 33, 35, 36, 45, 60(a,b) 61 // 57, 49[Split up integral and use results from class and #57], 50, 53
11.1, p. 744: #1, 5, 9, 13, 17, 19, 25, 31, 35 , 37[Hint: Write out terms and find pattern w/o factorials], [41, 45, 49, 53, 61] // 21, 27, 57, 61, 65, 69, 71, 73, 75, 77, 79[Hint: $a_n = 2^{\frac{2^n - 1}{2^n}}$]
11.2, p. 755: #1, 2, 5, 7, 15, 16, 21, 23, 25, 29, 33, 75, 81 // 27, 31, 43, 44, 57, 59, 62, 63
11.3, p. 765: #5, 6, 9, 11, 15, 17, 19, 21, 23, 27, 31 // [36(a,d)], 39, 40
11.4, p. 771: #1, 2, 3, 7, 9, 15, 19, 21, 27, 30, [40-41 in part a – just explain why it makes sense; then do part b] add #10 and/or 13 next time.
11.5, p. 776: #1-29(every other odd), 33
11.6, p. 782: #1, 2, 3, 5, 7, 11, 15, 19, 23, 39, 43,45 // 25, 26, 27, 29, 31, 33
11.7, p. 786: #1, 3, 5, 7, 11, 13, 17, 21, 25, 33, 37
11.8, p. 791: #1, 3, 5, 7, 9, 13, 17, 21, 23, 25, 27, 24, 29, 30
11.9, p. 797: #3, 5, 6, 9, 1, 25, 34[Use the expanded form of *f*] // 13, 15, 17, 19, 27
11.10, p.811: #1, 5, 7, 11, 15, 17, 19, 23, 25 // 35, 39, 45, 55, 56, 61, 63, 73, 77 // 31-34(all), 41
11.11, p. 820: #1-9(odd), 15, 16, 19
10.1, p. 685: #1-21(odd), 24, 25, 27, 28, 45, 47
10.2, p. 695: #1-7(odd), [11, 15 – find dy/dx and d^2y/dx^2 only], 17, 19, 24, 25, 29, 31, 33, 34
10.3, p.706: #1-11(odd), 15, 17 // 21, 23, [29, 33, 29 – make a table of values and sketch], 54, 55, 57, 59, 61, 64, 69, 71
10.4, p. 712: #1-21(every other odd), 23-41(ever other odd)

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