

Homework for MATH 1120

(Some changes are possible)

Suggestion: for each section, do “Self-Check Exercises” and “Concept Questions” before doing the problems assigned

Chapter 1

Review Exercises pp 47-48: 2, 7, 9, 17, 27, 34, 38, 40, 41, 43, 44, 45, 47, 48, 49, 50, 52, 54, 55, 56

Chapter 2

2.1 Exercises pp 57-59: 3, 9, 14, 16, 23, 28, 35, 38, 40, 41

2.2 Exercises pp 72-74: 7, 21, 23, 27, 34, 43, 47, 64, 65, 69

2.3 Exercises pp 85-91: 5, 9, 12, 14, 17, 51, 55, 67, 68, 70

2.4 Exercises pp 111-114: 9, 15, 26, 43, 46, 53, 59, 74, 75, 76

2.5 Exercises pp 126-130: 23, 35, 41, 43, 45, 49, 52, 55, 57, 58

2.6 Exercises pp 145-149: 1, 3, 11, 15, 16, 19, 20, 21, 28, 29

Chapter 3

3.1 Exercises pp 164-168: 2, 6, 11, 16, 19, 24, 30, 31, 32(The answer of this problem given in the solutions manual is wrong.), 34, 41, 45, 58, 67, 72

3.2 Exercises pp 177-180: 1, 7, 10, 12, 14, 18, 21, 24, 26, 27, 30, 35, 38, 39, 41

3.3 Exercises pp 189-192: 1, 6, 13, 18, 20, 21, 28, 32, 36, 38, 39, 41, 43, 52, 65

3.4 Exercises pp 204-207: 3, 4, 6a,b, 13a,b,c, 14a,b,c

3.5 Exercises pp 212-213: 4, 9, 16, 17, 18, 30

3.7 Exercises pp 233-235: 1, 3, 9, 15, 22

Chapter 4

- 4.1 Exercises pp 255-261: 3, 4, 21, 27, 36, 52, 59, 65, 68, 69
- 4.2 Exercises pp 274-281: 11, 23, 25, 28, 33, 34, 45, 48, 59, 61
- 4.3 Exercises pp 291-294: 3, 4, 16, 25, 34, 35, 37, 51, 54, 57
- 4.4 Exercises pp 305-310: 1, 2, 3, 7, 9, 12, 19, 23, 27, 46
- 4.5 Exercises pp 319-322: 3, 5, 6, 8, 25

Chapter 5

- 5.1 Exercises pp 334-335: 1, 6, 9, 11, 14, 20, 25, 27*, 28*, 29*
- 5.2 Exercises pp 343-345: 1, 9, 11, 13, 21, 23, 27, 34, 35, 39
- 5.3 Exercises pp 356-358: 1, 3, 4, 5, 6, 7, 10, 29, 31, 32
- 5.4 Exercises pp 366-369: 1, 5, 7, 8, 13, 15, 17, 25, 29, 32
- 5.5 Exercises pp 377-379: 2, 3, 7, 8, 9, 11, 15, 17, 28, 29
- 5.6 Exercises pp 386-390: 1, 2, 3, 4, 11, 12

*** Sketch the graph of the second function only.**

Chapter 6

- 6.1 Exercises pp 406-411: 2, 3, 9, 11, 18, 20, 21, 25, 30, 32, 36, 44, 50, 51, 65
- 6.2 Exercises pp 418-420: 1, 5, 9, 11, 17, 19, 23, 25, 28, 30(The answer of this problem given in the solutions manual is wrong.), 31, 35, 38, 42, 53
- 6.3 Exercises pp 428-429: 1, 7, 14, 15
- 6.4 Exercises pp 438-440: 3, 7, 11, 14, 16, 19, 23, 25, 28, 31, 32, 34, 38, 39, 41
- 6.5 Exercises pp 448-451: 1, 3, 7, 10, 11, 14, 19, 20, 21, 23, 24, 25, 28, 39, 48
- 6.6 Exercises pp 459-462: 1, 3, 6, 7, 9, 12, 19, 28, 35, 36
- 6.7 Exercises pp 474-475: 9, 10, 11, 12, 16