Recommended Practice Problems for Calculus 1000A

Fall 2019

Text: Single Variable Calculus: Early Transcendentals, 8th Edition, by James Stewart

FOR REVIEW	
SECTION	PROBLEMS
1.1	3, 7, 9, 25-35 (odd), 39, 41, 43, 47, 57, 63-65
1.2	1, 2, 13, 15
1.3	31, 33, 37, 43, 44, 47
3.1	1-33 (odd), 47, 55
3.2	3, 5, 11, 15, 17, 33, 43
THE COURSE BEGINS WITH SECTION 1.4	
LIMITS AND DERIVATIVES	
SECTION	PROBLEMS
Appendix D	1, 3, 7, 9, 17-31 (odd), 46, 48, 50, 65, 69
1.4	1, 2, 3, 4, 5, 11, 13, 15, 21, 23
1.5	5-17 (odd), 21, 23, 25, 33-41 (odd), 51, 53, 55, 66, 68, 69, 71, 72, 75
2.2	1, 2, 5, 7, 9, 11, 31-41 (odd), 54
2.3	1, 3-9 (odd), 11-31 (odd), 37, 39, 41, 43, 49, 53, 54
2.5	1, 3, 9, 13, 19, 21, 35, 37, 39, 43, 45, 47, 51, 53, 55, 57, 69, 71
2.6	1, 3, 5, 7, 15-41 (odd), 40, 65 (a), 67, 75, 81(a)
2.7	17, 31-41 (odd), 59 ,60
2.8	1-31 (odd), 57, 59
Ch. 2 Review	Concept check 1, 2, 3, 5, 7; True/False 1-15;
	Exercises 3-19 (odd), 23, 29; Problems Plus 3, 9
DIFFERENTIATION	
SECTION	PROBLEMS
3.3	1-17 (odd), 18, 21, 23, 29, 31, 33, 39-49 (odd), 56, 57
3.4	1-53 (odd), 55(a), 61, 63, 67, 69, 71, 75, 77, 79, 81
3.5	3-19 (odd), 27, 29, 31, 37, 43-53 (odd), 75, 80
3.6	1-33 (odd)
3.9	3, 5, 9, 11, 13, 14, 15, 16, 17, 19, 20, 21, 22, 23, 31, 37, 39
Ch. 3 Review	True/False odd; Exercises 1-49 (odd), 65, 83, 85, 89-101 (odd)

MAX/MIN, L'HOSPITAL'S RULES, ANTIDERIVATIVES	
SECTION	PROBLEMS
4.1	1, 3, 5, 29-43 (odd), 47-62 (odd), 71, 72, 73, 75
4.3	1-7, 9-21 (odd), 25, 31-53 (odd)
4.4	1, 7, 13-27 (odd), 31-41 (odd), 43-67 (odd)
4.7	3, 5, 9, 13, 15, 19, 23, 26, 31, 33, 41, 45, 51
4.9	7-21 (odd), 27, 29, 33-47 (odd), 61, 63, 73
Ch. 4 Review	Concept check 1, 5, 6, 7, 11; True/False odd; Exercises 1-13 (odd), 51,
	53, 57, 59, 65-73 (odd), 77, 79, 85
INTEGRATION	
SECTION	PROBLEMS
Appendix E	11-33 (odd), 41, 43, 45
5.1	3, 5, 21, 23, 25
5.2	17, 19, 21, 25, 27, 29, 35-41 (odd), 45, 47, 49, 55-63 (odd)
5.3	7-47 (odd)
5.4	7-17 (odd), 21-45 (odd), 49-57 (odd), 71
5.5	1-47 (odd), 53-73 (odd), 77, 81, 85
Ch. 5 Review	Concept check 1-4, 6, 8; True/False 1-10, 16-18; Exercises 3, 8,
	11-39 (odd), 45, 47, 49, 69, 70, 72
APPLICATIONS OF INTEGRATION	
SECTION	PROBLEMS
6.1	13, 15, 17, 21, 23, 27, 35
6.2	1-17 (odd), 23, 27, 51, 55, 57, 61
Ch. 6 Review	Exercises 1, 3, 5, 15, 16