

**Calculus 1000A Fall 2016
Recommended Practice Problems**

Warm-up exercises: please do the diagnostic tests A-D on pages xxvi - xxx.

Mostly High-School Review

Chapter 1

Section 1.1 Pages 19-21 # 3, 7, 9, 25, 27, 28, 29, 31, 33, 35, 39, 41, 43, 47, 49, 57, 63,
64, 65.

Section 1.2 Page 33 # 1, 2, 11, 13

Section 1.3 Page 42 # 31, 35, 41, 42, 45

Section 1.4 Page 53 # 1, 2, 3, 4, 5, 11, 13, 15, 21, 23.

Section 1.5 Pages 66 # 5, 7, 9, 11, 13, 15, 17, 21, 23, 25, 33, 35,
37, 39, 41, 51, 53, 55, 63, 66, 68, 69, 71, 72, 75.

Ch. Review Page 68 Concept Check # 1, 2, 7, 8, True/False # 1-14
Page 70 # 3, 5, 7, 19, 25, 26

Appendix D Page A32 # 1-9 (odd numbers), 17-31 (odd numbers),
46, 48, 50, 65, 69.

Chapter 3

Section 3.1 Page 180 # 1-33 (odd numbers), 43, 51, 59

Section 3.2 Page 188 # 3, 5, 11, 15, 17, 33, 43

Limits and Continuity

Chapter 2

Section 2.2 Page 92 # 1, 2, 5, 7, 9, 11, 31 - 41 (odd numbers).

Section 2.3 Pages 102 # 1, 3-9 (odd numbers), 11-31 (odd numbers), 37, 39, 41, 43,
49, 53, 54.

Section 2.5 Page 124 # 1, 3, 9, 13, 19, 21, 35, 37, 39, 43,47 (a) (b),
51, 53, 55 (a), 57 (a), 69.

Section 2.6 Page 137 # 1, 3, 5, 7, 15-33 (odd numbers), 40, 43,
65 (a), 67, 75, 81 (a).

Ch. Review Page 165 Concept Check 1, 2, 3, 5, 7, True/False 1 -13
Page 167 # 3 - 19 (odd), 23, 29

Problems Plus Page 171 # 3, 9

Derivatives and Differentiation

Chapter 2

Section 2.7 Page 148 # 17, 27-37 (odd numbers), 41.

Section 2.8 Page 160 # 21 - 31 (odd numbers).

Ch. Review Page 165 Concept Check # 9-13, True/False 20 - 24
35, 36, 39 (a) (b)

Problems Plus Page 171 # 13

Chapter 3

Section 3.3 Page 196 # 1-17 (odd numbers), 18, 21, 23, 29, 31, 33,
39-49 (odd numbers), 56, 57.

Section 3.4 Pages 204 # 1-17 (odd numbers), 18, 21, 23, 29, 31, 33, 39 – 49 (odd),
56, 57.

Section 3.5 Page 215 # 3-19 (odd), 27, 29, 31, 37, 43-57 (odd), 75, 80.

Section 3.6 Page 223 # 1-33 (odd numbers)

Section 3.9 Page 249 # 3, 5, 9, 11, 13 - 17, 19 - 23, 31, 37, 39.

Ch. Review Page 266 True/False all odd numbers, #1-41 (odd numbers), 49, 65,
83, 85, 97-101 (odd numbers)

Applications of Differentiation

Chapter 4

Section 4.1	Page 283	# 1, 3, 5, 29-43 (odd numbers), 47-61 (odd numbers), 71, 72, 73, 75.
Section 4.3	Page 300	#1-7, 9-21 (odd numbers), 25, 31-53 (odd numbers).
Section 4.4	Page 311	# 1, 7, 13 – 27 (odd), 31 – 41 (odd), 43 – 67 (odd).
Section 4.7	Pages 336	# 3, 5, 9, 13, 15, 19, 23, 26, 31, 33, 41, 45, 51.
Section 4.9	Page 355	#1-17 (odd), 21, 25-47 (odd), 61, 63, 73.
Ch. Review	Page 358	Concept check # 1, 5, 6, 7, 10 , True/False all odd numbers # 1-13 (odd numbers), 51, 53, 57, 59 65-73 (odd numbers), 77, 79, 83

Integration and Applications of Integration

Appendix E	Page A38	# 11-33 (odd), 36, 41, 43, 45.
Chapter 5		
Section 5.1	Page 375	# 3, 5, 21, 23, 25.
Section 5.2	Page 388	# 17 – 29 (odd), 35-41 (odd), 45, 47, 49, 55-63 (odd).
Section 5.3	Page 399	# 7 – 47 (odd).
Section 5.4	Page 408	# 7-17 (odd), 21-45 (odd), 49-57 (odd), 71.
Section 5.5	Page 418	# 1-47 (odd), 53-59 (odd), 61 – 73 (odd), 66, 77, 81, 85.
Ch. Review	Page 421	Concept Check # 1-3, 5, 7 True/False 1-10, 16-18. # 3, 8, 9-37 (odd numbers), 43, 45, 47, 67, 68, 70
Problems Plus	Page 425	# 1, 5

Chapter 6

Section 6.1 Page 434 # 13, 15, 17, 21, 23, 27, 35.

Section 6.2 Page 446 # 1-17 (odd), 23, 27, 51, 55, 57, 61.

Ch. Review Page 466 # 1, 3, 5, 15.