

Math 172 Spring 2016

Set	§	Exercises
0	4.8	1–15 odds
1		indefinite integral worksheet
2	5.1	1a,5a: 3 rectangles only
	Ap F	p. A45–A46: 1–19 odds, 21–27 all, 29–33 odds, 41,43
3	5.1	11,15,17,21; Maple: 9
4	5.2	1,5,7,17,19,31–43 odds,38,42,51,53; Maple: 13
5	5.3	1–33 odds,30,37,38,39,43–47 odds,57,59,61,73–76
6	5.4	3–9, odds, 13–17 odds,26,29,30
7	5.5	odds: 1–35, 41–47,59
8	5.5	49–57 odds,61; substitution worksheet
9	5.7	1–9 odds; trig integrals worksheet
10	5.6	Integration by parts worksheet
11	5.6	odds: 1–19, 23–29, 43, 45
12	6.1	1–17 odds,23,39,41,43
		Chapter 5 Review Chapter 6 Review
		concept check: 1–8,13 1
		T/F: 1–10,13–15,23
		exercises: 1–5,7–28,31–34,37,39–42,54,63,68ab,71 1,2,3,8a
13	6.2	1–9,13–17 odds,25,31,33,39,41,45
14	6.3	3,5,9,17,18,29,31 Let R be the region bounded by the graphs of $y = x^2$ and $y = x + 2$. Find the volume of the solid generated by revolving R about the line $x = 3$.
15	5.7	19–27 odds
16	5.10	1bc,2abd,25–34 all ,39,40
17	5.10	1ad,2c,3–23 odds,35,49,53,59,61
18	5.10	43–48,51,65
		Review: See also the exercises listed in the Chapter 5/6 Review block above.
		Chapter 5 Review Chapter 6 Review
		concept check: 10–12 1,3,4
		T/F: 11,12,17–22
		exercises: 29,55–62,73 4,6,8–15,17,19,20

19	6.4	1,9,11,15												
20	5.7	11–13,17												
21	5.8	1–9 odds; Do 26,29,31 two ways: use u-sub and use Maple.												
22	8.1	1–37 odds,41,49–53 odds,57,60												
23		sequence exercises: see d2l												
24	8.2	1,3,6–8,11–17 odds,23,24,26,28,31–34,36,37,44												
25	8.2	2,4,5,9,10,19–22,25–29 odds,41,53,61–63												
26	8.3	3–5,9–14,18–22,26–28 DCT exercises: see d2l: do “11.3” #13–17,32,38												
27	8.3	16,23,25,29,30,43,45 LCT exercises: see d2l: do “11.3” #21–33,35,36,39–42												
28	8.3	1,2,6–8,15,17,31,33,39 integral test exercises: see d2l: do “11.3” #5,8,34												
29	8.4	1,3–11 all,13,15,19,21,27,31												
30	8.4	2,23,25,29,33,39,41 Ratio Test exercises: see d2l: do “11.4” (omit 11–18,32)												
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32	8.6	1–7 odds,11,27,31–37 odds												
33	8.7	odds: 25–29 ,35–39,45,47,53,59,63,65;52												
34	8.7	3,7–15 odds,19,68												
35	8.8	5,14,16,19,21,23,29;												
	8.7	69												
36	7.1	1–11 odds, 2,4												
37	7.3	1–19 odds,43												
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