

## Math 172 Spring 2011

Set	§	Exercises
1	4.8	1–15 odds
	5.1	1a,5a: 3 rectangles only
2		indefinite integral worksheet: To get a copy of these problems, go to UWO's d2l course web site: <a href="https://uwosh.courses.wisconsin.edu/">https://uwosh.courses.wisconsin.edu/</a>
3	Ap F	p. A45–A46: 1–19 odds, 21–27 all, 29–33 odds, 41,43
4	5.1	11,15,17,21; Maple: 9
5	5.2	1,5,7,17,19,31–43 odds,38,42,51,53; Maple: 13
6	5.3	1–33 odds,30,37,38,39,43–47 odds,57,59,61,73–76
7	5.4	3–9, odds, 13–17 odds,26,29,30
8	5.5	odds: 1–35, 41–47,59
9	5.5	49–57 odds,61; substitution worksheet: see d2l
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 <b>all</b> ,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	11–13,17,36
21	5.7	1–9 odds; trig integrals worksheet: see d2l
22	5.8	1–23 odds; Do 26,29,31 two ways: use u-sub and use Maple.

23	8.1	1–37 odds,41,49–53 odds,57,60
24		sequence exercises: see d2l
25	8.2	1,3,6–8,11–17 odds,23,24,26,28,31–34,36,37,44
26	8.2	2,4,5,9,10,19–22,25–29 odds,41,53,61–63
27	8.3	3–5,9–14,18–22,26–28 DCT exercises: see d2l: do “11.3” #13–17,32,38
28	8.3	16,23,25,29,30,43,45 LCT exercises: see d2l: do “11.3” #21–33,35,36,39–42
29	8.3	1,2,6–8,15,17,31,33,39 integral test exercises: see d2l: do “11.3” #5,8,34
30	8.4	1,3–11 all,13,15,19,21,27,31
31	8.4	2,23,25,29,33,39,41 Ratio Test exercises: see d2l: do “11.4” (omit 11–18,32)
		Chapter 6 Review      Chapter 8 Review concept check:            5                            1–7 T/F:    1–9,11,12 exercises:                    23,25                    1–19,21,23–26a,28,29
32	8.5	2,1–25 odds,33,35
33	8.6	1–7 odds,11,27,31–37 odds
34	8.7	odds: 25–29 ,35–39,45,47,53,59,63,65;52
35	8.7	3,7–15 odds,19,68
36	8.8	5,14,16,19,21,23,29;
	8.7	69
37	6.6	1,11,13
		Chapter 8 Review concept check:            8–11 T/F:    10,13–20 exercises:                    22,30–41,45,49
38	7.1	1–11 odds, 2,4
39	7.3	1–19 odds,43
40	7.4	1–11 odds
41	7.4	13–19 odds
		Chapter 7 Review concept check:            1,2,5 T/F:    1–4 exercises:                    5–8,11–13,16ab
42	6.5	1–7 odds,11,16,21
43	5.9	1,17c,28,29,32,33,40; Maple: 3,8,15