

### Math 172 Spring 2009

Set	§	Exercises
1	4.9	1–11 odds
	5.1	1a,3
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. A48–A49: 1–19 odds, 21–27 all, 29–33 odds, 41,43
4	5.1	11,15,17,19; Maple: 9
5	5.2	1,5,7,17,19,31–39 odds,38,42,51; Maple: 13
6	5.3	1–31 odds,28,35,36,39,41,43,53,55,57,67,68
7	5.4	3–15 odds,22,26
8	5.5	1–37 odds
9	5.5	39–57 odds,63,65 substitution worksheet: see d2l
10	5.7	1–7 odds; trig integrals worksheet: see d2l
11	5.7	15–29 odds
12		Integration by parts worksheet
13	5.6	1–31 odds,37–41 odds
14	6.1	1–15 odds,27,37,39,41
		Chapter 5 Review                      Chapter 6 Review
		concept check:                      1–8,13                      1
		T/F:                      1–10,13–15
		exercises:                      1–5,7–29,31–34,37,39–42,54,63,68ab,71                      1,2,6a
15	6.2	1–13 odds,21,25,27,33
16	6.2	35,39,50,52,53 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 $x = 3$ .
17	5.7	9,11,14
18	6.3	1,7,8,19,20
19	5.8	1–23 odds; Do 26,27,29,31 two ways: use u-sub and use Maple.
20	5.9	1,20,26,30,31,38; Maple: 3,5,8,13
21	5.10	1bc,2abd,23–32 <b>all</b> ,37,38
22	5.10	1ad,2c,3–21 odds,33,47,59
23	5.10	39,40,41,43,45
		Chapter 5 Review                      Chapter 6 Review
		concept check:                      10–12                      1,3,4a
		T/F:                      11,12,17–22
		exercises:                      55–62,73                      4,6,7,9,11,12,17,18

24	8.1	1–31 odds,35,41,43,45,49,52
25		sequence exercises: see d2l
26	8.2	1,3,6–8,11–15 odds,21,22,24,27,29–32,38
27	8.2	2,4,5,9,10,17–20,23,25,35,45,51–53
28	8.3	1–4,9–12,17,18,20,35 DCT exercises: see d2l: do “11.3” #13–17,32,38
29	8.3	5,14,16,19,21–26,39 LCT exercises: see d2l: do “11.3” #21–33,35,36,39–42
30	8.3	13,15,27,29,35 integral test exercises: see d2l: do “11.3” #5,8,34
31	8.4	1,3–13 all,17,19,23,25,27
32	8.4	2,21,29,33,35 Ratio Test exercises: see d2l: do “11.4” (omit 11–18,32)
		Chapter 8 Review concept check: 1–7 T/F: 1–12 exercises: 1–25,28,29
33	8.5	1–27 odds
34	8.6	1–7 odds,11,13,23–27 odds,35,36
35	8.7	19–25 odds,33,34,37,41,43,49,50,52,53
36	8.7	4,5,9,13,15,56
37	8.9	3,16,19,21,23,27
38	8.8	1,9,13,15
39	7.1	1–11 odds, 2,4
40	7.3	1–15 odds,33
41	7.4	1–11 odds
42	7.4	13–19 odds
		Chapter 8 Review    Chapter 7 Review concept check:            8–11                    1,2,5 T/F:                        13–18                    1–4 exercises:                30–41,45,49            5,7,11,12,14ab
43	6.4	1–5 odds,9,12,19
44	6.5	1,11

### Exams, Quizzes, and Problem Sets

Note: All exams and quizzes are on Fridays.

Except for problem set 4, all problem set due dates are Fridays.

#### *Exams:*

Exam 1: Feb. 27  
Exam 2: March 20  
Exam 3: April 17  
Exam 4: May 15

#### *Quizzes:*

Quiz 1: Feb. 13  
Quiz 2: March 6  
Quiz 3: May 1

#### *Problem sets:*

Problem set 1: Feb. 20  
Problem set 2: March 13  
Problem set 3: April 10  
Problem set 4: April 22  
Problem set 5: May 8