

Suggested Homework Problems

Math 142

Section	Problems
1.2	13, 15, 17, 19, 37, 39, 41, 43, 49, 51, 59–69, 73–76,
1.3	1, 3, 9, 15, 21, 27, 28, 29. The exercises tend to give you the model. You must also know how to find the model using your calculator.
2.1	9,11,13, 16, 17, 18, 43, 45–70, 91–112, 113, 115, 117, 119–123
2.2	43–48, 65–68
2.3	1-4*, 9–29 odd, 35, 37, 39, 47–50, 57–62, 65
2.4	1, 2, 15, 17, 19, 29, 43-52, 61–69 odd, 70, 77, 78
2.5	1, 5, 7, 11, 19–41 odd, 53–59 odd, 65, 66, 69, 71–78, 95–98, 101, 102
3.1	3–33 odd, 39–57 odd, 63, 67, 68, 71
3.2	3, 5, 7, 9, 11, 15–23 odd, 25, 35, 36, 37, 41, 43, 45, 49–54, 63-66, 71, 75,
3.3	1–8, 9–19 odd, 31–52, 57–63 odd, 65, 66, 67, 69
3.4	3, 7, 13, 17, 19, 21, 23, 25, 27, 29, 31–38, 39, 47, 48, 60, 61, 63
3.5	7–51 odd, 61, 63, 69-75 odd, 81, 83, 85, 86
3.7	1–22 odd
4.1	7, 9, 17–29 odd, 30, 33, 35
4.2	1-23 odd, 24, 27–30, 31–41 odd, 43, 45, 51
4.3	1-11 odd, 17–25 odd, 29, 31, 35, 37, 41–51 odd, 55, 57, 59, 63–81 odd(don't have to simplify), 83
4.4	17-73 odd, 77–91 odd, 93, 97
4.7	13, 15, 17–19, 21, 23, 27, 29, 41, 43, 44, 45, 46
5.1	1–8, 9–17 odd, 21, 25, 27–39 odd, 43, 49–67 odd, 68–74, 75–89 odd
5.2	1, 3–6, 7–35 odd, 39–45 odd, 49–61 odd, 63, 65, 75, 77, 83, 85, 87
5.4	1, 3–10, 11-55 odd, 65, 67, 69, 76, 77c
5.5	1–23 odd, 29, 33, 37–49 odd, 57–61
5.6	3, 5, 11–17 odd, 18–21, 23, 24, 25, 26, 27, 29, 31, 32
6.1	1, 5, 9, 11, 15, 19, 23, 27, 29, 47–71 odd, 75–93 odd, 97, 99, 107
6.2	5, 7, 11, 15–37 odd, 47, 49, 51, 55, 57, 58, 61, 63, 64, 67, 69
6.4	1, 3, 5, 13–41 odd, 47**, 59**
6.5	11, 15, 23, 27, 29, 35, 39–47 odd, 51, 61, 63, 65–68, 71, 73
7.1	1, 3, 11–23 odd, 25–32 odd, 37–51 odd, 55–71, 79–87 odd, 90
7.2	3, 5, 21, 25, 29, 31, 33, 39, 40, 43, 47, 51–59 odd, 13, 15, 17
8.1	5, 7, 9, 13, 17, 23, 25, 27, 30, 31, 33, 37, 49, 51, 52, 53, 54, 56
8.2	5, 7, 9, 13–23 odd, 27–39 odd, 43, 47–71 odd, 75, 79, 81, 83, 93–101 odd, 102
8.3	1, 3, 7–24 odd, 29, 31, 32, 35

* don't use the completing the square method.

** don't worry about the error bound formula for Riemann sums.