MATH 241 - Spring 2023

section 12.1, page 713:	1, 5, 9, 13, 15, 19, 23, 35b, 39, 43, 45, 53, 57, 65, 67, 69.
section 12.2, page 723:	9, 17, 23a, 25, 31d, 33, 35.
section 12.3, page 732:	1abd, 19.
section 12.4, page 739:	1, 9, 15, 35, 41.
section 12.5, page 747:	1, 3, 15, 21, 23, 25, 29, 33, 39, 45, 53, 57.
section 12.6, page 744:	1–12, The following problems refer to probelms that were given on old exams. These exams may be found elsewhere on the website. In the Fall of 2017, I taught a section of the course at 11:40 and a section at 1:15; so "F17-E3-1:15-1" refers to problem 1 on the third exam from the 1:15 section in Fall 2017. F19-E2-3; Sp19-E2-2; F18-E2-1; F17-E2-11:40-3; F17-E2-1:15-4; F18-E3-3; F17-E3-11:40-1; F17-E3-1:15-1
section 13.1, page 767:	5, 7, 9, 13, 23, 37 be, 39.
section 13.2, page 774:	1, 9, 11, 17, 21, 23, 24, 32.
section 13.3, page 781:	1, 9, 11, 15. You need only find the arc length in each problem.
section 14.1, page 808:	1c, 5, 15, 18, 39, 47, 49, 53, 61.
section 14.2, page 816:	1, 13, 33, 41, 43.
section 14.3, page 828:	1, 7, 19, 27, 35, 41, 55. (On Feb. 20, 2023, I removed problem 63 from the homework list.)
section 14.4, page 838:	1, 7, 37.
section 14.5, page 849:	6, 9, 11, 19, 25.

section 14.6, page 857:	1, 11, 15. (I fixed a typo on Feb. 20, 2023. Problem 15 is on the Homework list, not 115.)
section 14.7, page 867:	1, 7, 13, 21, 31, 33, F20-e3-4, F20-e3-5, S19-e3-4, F18-e3-1, F18-e3-2, F17-e3-11:40-4.
section 14.8, page 876:	1, 5, 9, 12, 23.
section 15.1, page 898:	1, 17, 25, 30.
section 15.2, page 905:	1, 9, 23, 33, 35, 37, 41, 45, 49, 53, 60, 65, 69.
section 15.3, page 910:	3, 10, 13, 17.
section 15.4, page 916:	5, 9, 21, 23, 25.
section 15.5, page 926:	9, 19, 23, 25, 33, 35, 41.
section 15.7, page 946:	23, 31, 37, 39, 41, 45, 49, 55, 57, 71, 73, 77, 79..
section 15.8, page 958:	1, 3, 6, 7, 12, 18, 19.
section 16.1, page 970:	1–9, 11, 13, 19, 21, 23.
section 16.2, page 982:	7, 11, 15, 17ab, 19, 21, 23, 27.
section 16.3, page 994:	1, 3, 7, 9, 13, 15, 19, 21, 25, 27, 29.
section 16.4, page 1006:	7, 9 27, 29, 31, 33.