

Math 2210 Homework Assignments

(subject to modification)

Instructor: Dr. Jingzhi Tie

Textbook: *Calculus with Analytic Geometry*, 6th Edition, “Early Transcendentals Version”, by C.H. Edwards and D.E. Penney

HW 1

5.3: 2,5,6,8,15,16,18,20,23,32,50,52,53.

5.4: 3, 7, 11, 13, 23, 33, 43, 45, bonus (54)

HW 2

5.2: 5, 6, 11, 12, 23-28, 31-33

5.5: 1, 2, 3, 21, 29, 37, 39, 41, 42, 43, 45, 47, bonus (51, 52, 53, 54)

HW 3

5.6: 9, 10, 34, 35, 48, 49, 54-57, bonus (67)

5.7: 9, 10, 14-19, 41-43, 46-52, 57, 58

HW 4

5.8: 1-5, 21, 23, 27, 28, 33, 34

Miscellaneous Problem: 1,2,7,9,12, 15,16,24,45,46,61,63,66,70,72,73.

6.1: 3, 5, 7, 9, 11, 13,25,35,37,39,42,43,45,46,

6.2: 5-9, 15-19,21,23, 25, 35, 37,39, 40,41,42, 43,46,47.

HW 5

6.3: 5,6,8,15,17,18,35, 36,43,45.

6.4: 4-7, 14-17, 21-24, bonus (41). Omit surface area of revolution.

HW 6:

6.5: 3, 5, 6, 7, 9,11,12,13,17,19,28 bonus (24, 25)

6.7: p488, 53-64.

6.8: 1, 2, 3, 5,6, 7, 9,10,19,23, 31, 33, 35, 37,41,48,65

HW 7:

7.2: (review) 3,5, 7, 9, 11,12, 13,16,17,23,25.

7.3: 1, 3, 5, 7, 9, 11, 13,15,20,21, 39, 41, bonus (58, 65)

7.4: 1, 3, 5, 7, 9, 45, 47, 59, 61

HW 8:

7.5: 1, 3, 5, 7, 9, 37, 39, 41, bonus (52)

7.6: 3, 5, 7, 19, 21, 23, 29, 31, 43, 47, bonus (56)

HW 9:

7.7: 1, 3, 5, 11, 15, 37, 38, 39

7.8: 1, 3, 5, 7, 9, 19, 21, 23, 31, 33, 49, 50

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HW 10:

5.2: 37, 39, 41, 47, 49, 57, 59, 61

8.1: 7, 9, 15, 20, 25, bonus (47)

8.2: (skip)

8.3: 5, 19, 27, 33, 34, 35, bonus (41)

In general, bonus problems on exams are similar to the bonus problems in the homework assignments, which are harder than the rest.