

Homework Assignments

Our text is “Elementary Analysis: The Theory of Calculus” by Kenneth A. Ross, 1980, Springer, ISBN 0-387-90459-X.

There will be Homework Sets and Homework Assignments. For each given Homework Set, an asterisk after a problem indicates the problem was graded and the number in parentheses is the number of points the problem was worth. “Max points” is the total number of points to be gotten for the given Homework Set.

Homework Assignment 1 (due Thursday, January 17): Read §§1 and 2 of the text, pages 1–12. Max 0 points

Homework Set 2 (due Thursday, January 24): Page 5, Exercises 1.2* (10), 1.4* (15), 1.8* (20); and page 12, Exercise 2.2* (30). Max 75 pts.

Homework Set 3 (due Tuesday, January 29): Page 18f, Exercises 3.2 (a)* and (b) (10), 3.4(a)* and (b) (10), and 3.6* (15); and page 25, Exercise 4.1, the twelve problems in the left hand column only. Max 35 pts.

Homework Set 4 (due Tuesday, February 5): Page 25f, Exercises 4.4, 4.6, 4.8* (30), 4.16* (10); page 28, Exercise 5.2* (20); and page 36, Exercise 7.2. Max 60 pts.

Homework Set 5 (due Tuesday, February 12): Page 42, Exercises 8.2*, parts a) and e) only, (20), 8.4* (10), and 8.6* part a) only (10); and page 52, Exercise 9.2. Max 40 pts.

Homework Set 6 (due Tuesday, February 19): Page 43, Exercise 8.10* (10); and page 53f, Exercises 9.8, 9.10* (we graded (b) only for 20 points), 9.16* (30). Max 60 pts.

Homework Set 7 (due Tuesday, March 4): Page 25, Exercise 4.7*, part (a) only (10); page 43, 8.9* (grade (b) and (c) only) (20); and page 62f, Exercises 10.2* (10) and 10.12. Max 40 points.

Homework Set 8 (due Tuesday, March 11): Page 123f, Exercises 17.2* (50), 17.4* (10), 17.10* (20) parts (a) and (b) only. Max 80 points.

Homework Set 9 (due Tuesday, March 25): Page 131, Exercises 18.1* (10) and 18.6* (10); page 144, Exercise 19.2* (20) (only (a) and (c) were graded). Max 40 points.

Homework Set 10 (due Tuesday, April 1): Page 155f, Exercises 20.2* (10), 20.6, 20.14* (10) (first part only), and 20.20* (10) (part (b) only). Max 30 points.

Homework Set 11 (due Tuesday, April 15): Page 211f, Exercises 28.2* (parts (a) and (b) only; we graded only part (a)), 28.4* (30), and 28.8. Max 40 points.

Homework Set 12 (due Thursday, April 17): Page 220f, Exercises 29.1* (parts (b), (d) and (f) only) (30), 29.4, and 29.6* (10). Max 40 points.

Homework Set 13 (due Tuesday, April 22): Page 221, Exercises 29.8* (30) and 29.10. Max 30 points.

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