

CMSC 451: Homeworks

Each homework problem is worth 3 points and is graded on the following scale:

- 0: incorrect or unreadable
- 1: partially correct
- 2: substantially correct
- 3: correct and well-written

Homeworks count for 10% of the total class grade. The 4 problems on which you receive the lowest scores will be dropped. The class is graded on a curve. Homework and exam grades will be posted on grades.cs.umd.edu. If you believe an error was made in grading your homework, you must submit a regrade request within 1 week in writing. Illegible or vague homeworks will receive a score of 0. “That’s what I meant” is never a valid reason for a regrade. You will be allowed to use your **graded** homeworks during the midterms and final.

Complete the following problems in your textbook, *Algorithm Design*. Homeworks are due at the beginning of class on the date indicated. No late homeworks will be accepted. Supplemental problems may be added during the semester to those listed below.

9/11: 1.1, 2.3, 2.4, 2.5

9/18: 3.1, 3.5, 3.6, 3.7

9/25: 3.10, 4.2, 4.3, 4.4

10/2: 4.7, 4.13, 5.3, 5.6

10/9: 6.1, 6.5 (5.5 was extra credit)

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10/30: 6.9, 6.12, 6.20

11/6: 7.1, 7.3, 7.4, 7.5

11/13: 7.7, 7.9, 7.13

11/25: 7.21, 8.1, 8.3 (reduce from Independent Set), 8.5 (reduce from Vertex Cover)
(Note due date is a Tuesday.)

12/2: 8.14 (Note due date is a Tuesday.)

12/4: Midterm #2

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12/11: 11.1, 11.3, 13.1