

## Math 19, Discrete Mathematics

### DIRECTIONS FOR COMPLETING HOMEWORK

1. **SHOW YOUR WORK:** The most important aspect of your homework is to **show all of your work** (even if the question does not ask for details). If you show answers without explanations, even if the answers are correct, you will not receive full credit.
2. **GRADING:** I will choose several problems to grade, but you will not know ahead of time which problems they will be, so it is very important for you to attempt every problem assigned. Ask for help early: come to office hours, ask me before or after class or talk with a tutor in the Math Resource Center before the assignment is due.  
**Copying answers from another book or person is cheating and will result in 0 credit.**

Keep your graded HW after you get it back, as you must turn it back in for credit on the redo's.

3. **LATE POLICY:** You can turn in late homework, but there is a penalty of 10% off for each class day it is late. Due dates will be announced in class and on Angel. No homework will be accepted after the exam that covers that material.
4. **DETAILS:** Write neatly and answer the problems in the order that they were assigned. Use standard-size paper for your homework (8.5" x 11"). No red ink please. Write your full name and the homework section at the top of the first page and staple pages together. There will be a stapler on the front desk for you to use.
5. **GETTING POINTS BACK ("REDO'S"):** You can resubmit homework problems. Here's how it works:

a) If you lost points on your graded homework due to missing work or incorrect answers, you can re-work just those problems. I will grade those problems again and that way you could gain back all your lost points (except for any points lost due to lateness). **You cannot turn in a blank (or nearly blank) paper and then expect to be allowed to redo it for full credit – it will be considered late when you redo it and penalized accordingly.**

b) It is recommended that you submit redo's as soon as you can, so you have a chance to get them graded and possibly redo them again before the deadline. There is no limit on how many tries you can resubmit the same assignment. **You can turn in redo's on any class day, but they must be turned in by the next exam date.**

c) Use a **new sheet of paper** for the re-worked problems. **Staple this new sheet ON TOP of the old homework that was graded and turn both in together.** Do not make the corrections on the original homework paper. Write REDO at the top of the new page along with your name and the HW section number. If you do not submit it with your old homework, your redo will just be considered a late homework assignment.

Math 19 HOMEWORK (Rosen, 7<sup>th</sup> edition)

<u>Section</u>	<u>Problems</u>
<del>1.1</del>	<del>1, 3, 13, 17, 20, 27, 31, 32, 36, 45, 46, 47, 48</del>
<del>1.2</del>	<del>1, 3, 7, 17, 18, 20, 33, 40, 41</del>
<del>1.3</del>	<del>2, 5, 10, 14, 18, 31, 46, 47, 48, 49</del>
<del>1.4</del>	<del>2, 5, 9, 10, 11, 15, 16, 32, 51, 52, 60</del>
1.7	1, 2, 3, 5, 6, 10, 11, 14, 15, 16, 17a
1.8	1, 6 (do proof by cases), 9, 11, 14, 29, 31, 40
2.1	1, 3, 5–11 all, 17, 19, 21, 23, 24, 27, 46
2.2	1, 2, 3, 14, 15, 16, 19, 25, 32, 33, 34, 52, 53, 54
2.3	1, 2, 4, 9–13 all, 21, 22, 30, 38
3.1	1, 3, 6, 11, 13, 14, 16
3.2	1abc, 2abc, 3, 10, 21, 22, 23, 24, 25ab, 26ab
3.3	5, 7, 13, 15, 19, 20, 22ab
4.2	1, 4, 7–12 all, 21
5.1	1, 3, 4, 6, 9, 10, 15, 18, 20, 49, 57
5.3	1, 4, 7, 9, 48, 49, 50, 58abcd
6.1	1–12 all, 17, 28, 64
6.2	1–5 all, 9, 31, 32, 35
6.3	2, 3, 4b, 10, 13, 14, 16, 17, 27, 30, 31
6.4	1, 4, 7, 8, 12, 13, 15, 19
8.1	1, 11, 12, 19
8.2	3abc, 4ab, 5, 8

8.5	1, 2, 3, 4, 7, 8, 9, 18, 21
9.1	2, 3, 4, 6, 7, 10
10.1	1–5 all, 14, 15, 16, 18, 19, 20, 21, 32, 33
10.2	1, 2, 3, 4, 5, 7, 8, 12, 20, 24, 25, 35, 40, 42abc
10.3	34–40 all, 54, 55
10.5	1, 2, 5, 6, 10, 13, 15, 26, 30, 31, 39, 40
11.1	1–9 odd, 11a, 44
11.2	1–5 all, 37
13.2	1–8 all