

Discrete Mathematics (CS/Math 61)

Assignment 04

Answer each of the following questions to the best of your ability. **Please make sure that your submission follows the formatting guidelines given at the end of this document.**

Do the following problems from the text.

1. (*7 pts.*) Scheinerman, 3rd ed. (SCH), problem **12.1**.
2. (*3 pts.*) SCH, problem **12.2**.
3. (*6 pts.*) SCH, problem **12.16**.
4. (*8 pts.*) SCH, problem **12.30: b**.
5. (*4 pts.*) SCH, problem **14.1**.
6. (*12 pts.*) SCH, problem **14.6**.
7. (*10 pts.*) SCH, problem **14.11**.

Format requirements: work should correspond to the following guidelines:

- Work can be in hand- or type-written format. If you want to hand-write, that is fine, but your work needs to be as legible as if it were type-written. Work that is hard to read and slows down grading will need to be re-submitted for credit, as it will not be graded. If you are interested in learning LaTeX to type up solutions, we encourage that.
- Work must be submitted in PDF format to Gradescope.
- When you submit on Gradescope, you will be asked to assign pages from your submission to each problem. Be sure to do so, as this will make the grading process much easier. Failing to do so will result in a reduction in grade.