

MATH 302. Spring 2019.

Homework #7. Due: March 8, in class. No late homework will be accepted.

Please write down clearly or type your solutions. It can be considered incorrect if it is hard to read. Collaboration is allowed, but everyone must write down and submit his/her solutions in his/her own words. Please write down your name and staple your sheets together before you submit your homework.

All the questions mentioned below are in the Exercise part of the corresponding sections in the textbook.

- Required submission questions:
  - Section 5.1: 6, 14, 36, 40.
  - Section 5.2: 12, 14.
  - Section 5.3: 4, 12, 24, 48. **For problem 12 in Section 5.3,  $f_n$  denotes the  $n$ -th Fibonacci number which is defined in Page 158 of the textbook.**
- Suggested practice:
  - Section 5.1: 5, 16, 28, 42, 62, 65.
  - Section 5.2: 10.
  - Section 5.3: 14, 18, 47.