

UH - Math 6302/Modern Algebra - Dr. Heier - Fall 2018

HW 4

Due Monday, Nov. 19, at the beginning of class.

Use regular sheets of paper, stapled together.

Don't forget to write your name on page 1.

1. (1 point) Section 7.1, Problem 11
2. (1 point) Section 7.1, Problem 15
3. (1 point) Section 7.1, Problem 16
4. (2 points) Section 7.3, Problem 17
5. (2 points) Section 7.4, Problem 24
6. (1 point) Section 7.4, Problem 30 (Strike the part “and that $(\text{rad } I)/I \dots$ ” from the problem, i.e., just prove that $\text{rad } I$ is an ideal.)
7. (2 points) Section 7.4, Problem 37