UH - Math 6302/Modern Algebra - Dr. Heier - Fall 2018
HW 5
Due 5pm, Monday, Dec. 03, by email or in my departmental mailbox.

Use regular sheets of paper, stapled together.
Don't forget to write your name on page 1.

1. (2 points) Section 8.1, Problem 7

2. (2 points) Section 8.1, Problem 11

3. (2 points) Section 8.2, Problem 4

4. (2 points) Section 8.2, Problem 5, (a) and (b)

5. (2 points) Section 8.3, Problem 6, (a) and (b). Note: $\mathbb{Z}[i]$ consists of those complex numbers whose real and imaginary parts are integers.