Please submit this assignment on Nov. 1st.

1 Problem 1

Do the following exercises in Dummit and Forte's book:

- Section 8.3 exercise 8
- Section 9.6 exercise 1,3.

2 Problem 2

Show that the ring $\mathbb{Z}[\frac{1+\sqrt{-19}}{2}]$ is not Euclidean domain with respect to the norm which was introduced in the class.