

## **Math 392: Homework 2 (due W January 23)**

There is no class on Monday next week (MLK day). I will have office hours as usual starting from Tuesday next week. See you Wednesday!

**Part I: reading.** Read sections 5.2 and 5.3.

**Part II: questions from the book.**

Exercises 5.2: 8,13 (note  $\mathbb{Z} \oplus \mathbb{Z}$  means the same thing as we've been denoting  $\mathbb{Z} \times \mathbb{Z}$  – Cartesian product of two rings), 17, 18.

Exercises 5.3: 4,5,20,24.