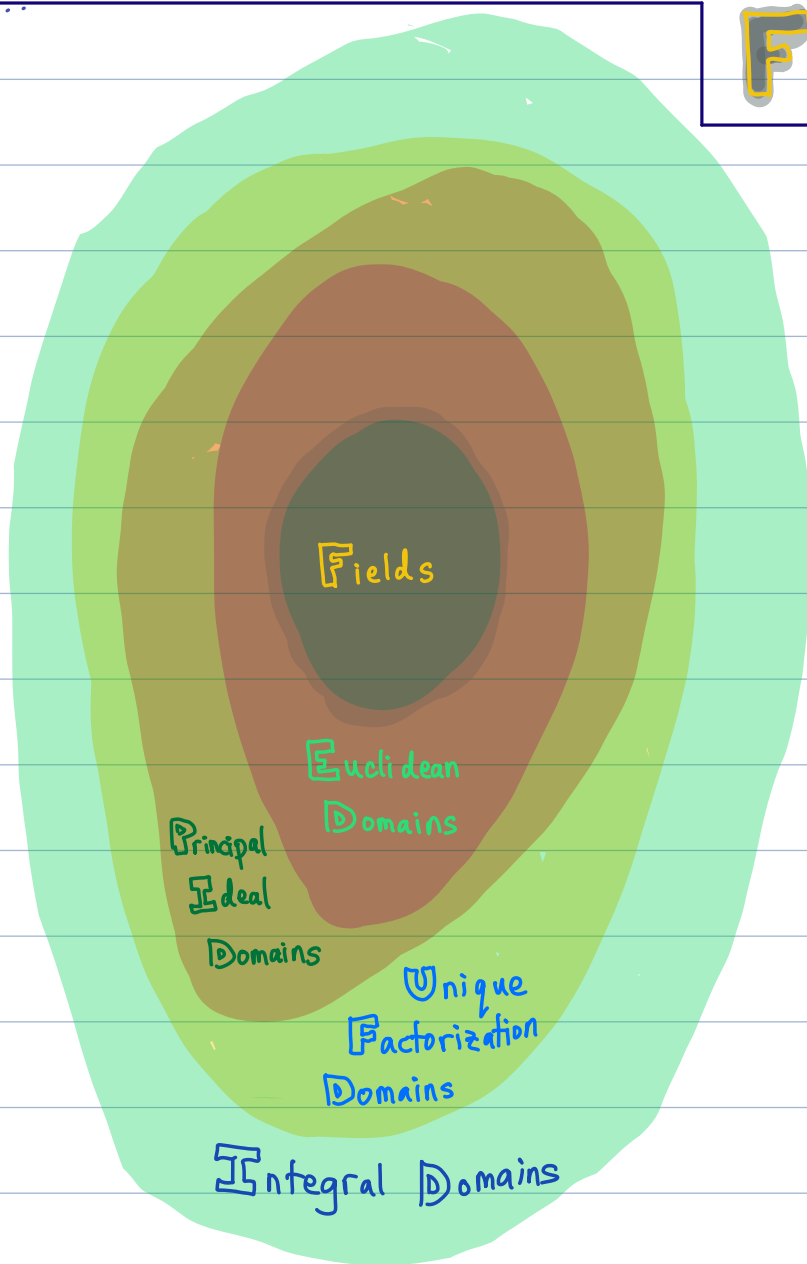


FEDPIDUFDID



Commutative Rings with Unity

PROVE:

- Every **F** is an **ED**
- Every **ED** is a **PID**
- Every **PID** is a **UFD**
- Every **UFD** is an **ID**

FIND AN EXAMPLE:

- An **ED** that's not an **F**
- A **PID** that's not an **ED**
- A **UFD** that's not a **PID**
- An **ID** that's not a **UFD**

3 WAYS TO TRY THESE:

- ① See how much you can do on your own, just by the definitions
- ② Look through D&F for help, read there, and then come up with solutions on your own
- ③ Look through D&F and make a note of where to find the relevant info — this will be useful at the start of Abstract Algebra II next semester