

Fall 2021, Math 620: Preliminary Problem Set 9
Due: Thursday, October 21st, 2021
A Hierarchy of Integral Domains

Preliminary problems. These problems should be completed before discussion on Thursday.

(P1) Use the Euclidean algorithm to find $\gcd(559, 234)$.

(P2) Perform the following polynomial long division.

$$x^2 + x + 2 \overline{) x^5 + 2x^3 + 2x + 1}$$