Spring 2019, Math 320: Week 11 Preliminary Problems
Due: Thursday, April 18th, 2019
Congruence Classes in $F[x]$

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

(P1) Determine whether $[21]_8 = [37]_8$ in $\mathbb{Z}_8$.

(P2) Find the remainder from dividing $f(x) = x^3 + 2x + 1$ by $p(x) = x^2 - 1$ over $\mathbb{Q}$.