

Due: Friday, November 9, 1:00 p.m.

Leave in Liz's LGRT 1623D mailbox

***Note:** Exam 2 will be Thursday, Nov. 15.*

1. (a) Prove Proposition 2.2.32 (which justifies the Euclidean Algorithm).
(b) Now do Exercise 2.2.36 (a) (where you apply the Euclidean Algorithm).
2. Prove Corollary 2.2.39.
3. **Extra credit:** Do Exercise 2.2.40 (2).
4. Prove Lemma 2.3.8.
5. Find the form (PF1) prime power representations of each of the four integers:
1377, 50600, 1891, 547.
6. Do Exercise 2.3.14 (3).