

**EECS 203**  
**Homework 10**  
**Due March 28, 2002**

Read Rosen Sec. 2.3, 2.4 through first half of page 130, 2.5 through page 142.

Exercises in Rosen:

- Page 126: 12, 22, 38. Hint for 12: think about the prime factorization of  $100!$ .
- Page 135: Do 2abf using the extended Euclidean algorithm to come up with  $s$  and  $t$  such that  $\gcd(m, n) = sm + tn$  in each case.
- Page 149: 4, 6, 12, 14.