

Homework #8

Due Monday, October 28, in class

1. Finish up the proof of Theorem 2.38. In the midst of the proof, I suggest considering $4p_1 \cdots p_k - 1$.
2. Exercise 2.41.
3. Theorem 2.42. Suggestion: Prove the contrapositive: If n is a natural number and n is not prime, then $2^n - 1$ is not prime. Use Exercise 2.41.

Also, prepare for Exam #2, Friday, November 1.