

Math 453: Homework # 4

Due Friday, 15 February 2019 in class

In writing your proofs, fully explain all the important steps. Use full and grammatically correct English sentences. Be clear and concise.

Exercise numbers are from the end-of-section exercise sets in the **2002** reissue of *Elementary Number Theory* by James K. Strayer.

For items 1, 2, 4, you may consult the section at the end of the textbook to check your answers.

1. (5 points) Exercise Set 2.3, # **34 (a)**
2. (5 points) Exercise Set 2.3, # **35**
3. (5 points) Exercise Set 2.3, # **38**
4. (5 points) Exercise Set 2.3, # **39 (a)**
5. (5 points) Exercise Set 2.4, # **43 (a)**