

Introduction to Abstract Algebra III – Math 446 CRN 35808

Homework # 6

Due on **Wednesday, May 13**

- HOMEWORK IS (usually) DUE on WEDNESDAYS. You submit it online in Canvas (deadline is midnight).

- We use 8th edition of Fraleigh-Brand book (you can find electronic version in Canvas); most of exercises will be taken from there.

- For all the problems you have to write a complete (and preferably short) proof.

- Please DO NOT submit solutions to the optional problems. But you can start writing solutions into a file or a paper. Everyone who will submit correct solutions of 10 optional problems in the end of the class will get extra credit points.

- Problems: 44.23, 44.24, 44.25, 44.26, 44.30, 45.4, 45.10, 45.11, 46.11, 46.12.

Solve but don't hand in: 44.20, 44.27, 44.28, 45.2, 45.3, 45.8, 45.9, 46.7, 46.9, 46.10.

Optional problems: 45.14, 45.16, 46.23.