

Math 110 Homework # 1.

Due in class on Friday, May 3. These problems are exercises from chapters 2 and 3 from the second edition of the textbook *An Introduction to Mathematical Cryptography* by Hoffstein, Pipher, and Silverman (HPS). Show your work.

1. Exercise 2.6 in HPS.
2. Exercise 2.11 in HPS.
3. Exercise 2.12 in HPS.
4. Exercise 2.18 in HPS.
5. Exercise 2.35 in HPS.
6. Exercise 2.37 in HPS.
7. Exercise 3.6 in HPS.