

**MATH 418/818, Number Theory and Cryptography, Winter 2022**  
**Homework 3**

**(Due: March 15 11:59 PM (Kingston time), upload on Crowdmark following question numbers)**

**Textbook problems.**

- (1) Exercise 3.41.
- (2) Exercise 3.42.
- (3) Exercise 4.1.
- (4) Exercise 4.2.
- (5) Exercise 4.5.
- (6) Exercise 4.6.
- (7) Exercise 4.9.
- (8) Exercise 6.1.