Name: ⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯

Read Section 1.2, Reduction/Division Algorithm. Read carefully, marking up your copy of the text and taking notes.

Reading Questions

1. The words in bold face are terms that you should know. In particular, make sure you know the meaning of reduction modulo a nonzero integer m, the quotient and remainder in the division algorithm, and a multiplicative inverse modulo m.

2. Try exercises 1.2.01, 1.2.02, and 1.2.06.

3. (a) Explain why 3 is a multiplicative inverse to 2 mod 5.

   (b) Can you find a multiplicative inverse to 4 mod 5?

4. What struck you in this reading? What is still unclear? What remaining questions do you have?