

$\begin{array}{c} \text{Number Theory I} \\ \text{Spring } 2012 \end{array}$

Assignment 7.1 Due March 6

Exercise 1. Let n be a positive integer. Prove that if $a \equiv b \pmod{n}$, then $\gcd(a, n) = \gcd(b, n)$.

Exercise 2. Textbook exercise 5.2.3

Exercise 3. Textbook exercise 5.2.9

Exercise 4. Textbook exercise 7.3.5

Exercise 5. Textbook exercise 7.3.7