

Name: \_\_\_\_\_

**Reading Questions**

1. State the Least Integer Axiom. If the words “natural numbers” were replaced with “integers,” would the statement still be true? Explain.

2. Do 1.3.37.

3. What is the restriction on the remainder in the Division Algorithm? Why is it important?

4. State Theorem 1.19.

5. State the definition of gcd, and give an equivalent condition (Corollary 1.20).

6. State the definition of prime, and give an equivalent condition (Theorem 1.21, Euclid's Lemma).

7. Any comments? What questions do you have?