Math 234 Preview Exercises

Section 4.3

NAME

Read Section 4.3 in the textbook and answer the following questions. *Hand in this worksheet at the next class.*

1. What does it mean if n is **divisible by** d?

2. What does the notation $\mathbf{d \mid n}$ signify?

3. If k is a nonzero integer, does k divide 0? Why or why not?

4. How does the text prove the *transitivity of divisibility*? Summarize in your own words.

5. What is the *Unique Factorization of Integers Theorem*? Summarize in your own words.