College Algebra Fundamentals

Section P-1 (Part 5): Real Numbers

Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Objectives**:

* Students will be able to use the Fundamental Theorem of Arithmetic to factor using only prime factors.

|  |  |
| --- | --- |
| **Main Idea** | **Notes** |
| **Example 1: Products**  **Vocabulary:**  **Example 2: Finding Factors**  **Vocabulary:**  **Vocabulary:**  **Example 3: Find the Prime Factorization**    **Homework:** | What numbers can you multiple together to get 24?  Product:   1. What are all the factors of 24? 2. What are all the factors of 7?   Factors/Divisors:  Composite Numbers:  Prime Numbers:  What number is neither prime nor composite? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Fundamental Theorem of Arithmetic:     1. Find the prime factorization of 24. 2. Find the prime factorization of 56. |