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.

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| **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.
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