College Algebra Fundamentals

Section P-1 (Part 3): Real Numbers

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

**Objectives**:

* Students will be able to identify the properties of fractions and equality.

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| **Main Idea** | **Notes** |
| **Vocabulary:**    **Vocabulary:** | Fraction:  The denominator cannot be \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.  Always make sure the fraction is reduced to \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.  Equivalent Fractions:    Properties of Fractions:   1. Equivalent Fractions: 2. Rule of Signs: 3. Generate Equivalent Fractions:     Mixed Number:  Example:  Improper Fraction:  Example: |
| **Example 1: Changing an Improper Fraction to a Mixed Number** | Rewrite as a mixed number.  What do you notice about the denominator when converting an improper  fraction to a mixed number?  Rewrite as an improper fraction.  What do you notice about the denominator when converting a mixed number to an improper fraction? |
| **Example 2: Changing a Mixed Number to an Improper Fraction** |
| **Homework:** |  |