Name: _____ Period: 3 7 8 (circle one)

Chapter 7 Review

Vocabulary and Concept Check

✓ Determine whether each sentence is *true* or *false*. If *false*, replace the underlined word or number to make a true sentence.

1. Any two numbers whose product is 1 are called <u>opposites</u>.

2. When dividing by a fraction, <u>multiply</u> by its reciprocal.

3. To multiply fractions, multiply the numerators and <u>add</u> the denominators.

4. Any whole number can be written as a fraction with a denominator of <u>1</u>.

5. The reciprocal of $\frac{8}{3}$ is <u>$\frac{3}{8}$</u>.

6. To divide mixed numbers, first write each mixed number as a <u>decimal</u>.

7.2 Multiplying Fractions

✓ Multiply. Write in **simplest form**.

$\frac{1}{3}\times\frac{1}{4}$ $\frac{3}{5}\times\frac{2}{9}$ $\frac{7}{8}\times\frac{4}{21}$ $\frac{5}{6}\times 9$

$\frac{3}{8}\times\frac{4}{9}$ $\frac{4}{10}\times\frac{5}{9}$ $\frac{1}{2}\times\frac{2}{3}$ $12\times\frac{1}{6}$

7.3 Multiplying Mixed Numbers

✓ Multiply. Write in **simplest form**.

$\frac{2}{3}\times 4\frac{1}{2}$ $6\frac{5}{8}\times 4$ $1\frac{1}{5}\times 1\frac{2}{3}$

$3\frac{1}{8}\times 2\frac{2}{5}$ $3\frac{3}{4}\times 1\frac{2}{5}$ $2\frac{1}{4}\times 6\frac{2}{3}$

(OVER)

7.4 Dividing Fractions

✓ Divide. Write in **simplest form**.

$\frac{2}{3} \div \frac{4}{5}$ $\frac{1}{8} \div \frac{3}{4}$ $5 \div \frac{4}{9}$ $\frac{3}{8} \div 6$

$12 \div \frac{1}{2}$ $\frac{1}{3} \div \frac{3}{9}$ $\frac{12}{15} \div \frac{2}{5}$ $\frac{10}{14} \div \frac{1}{7}$

7.5 Dividing Mixed Numbers

✓ Divide. Write in simplest form.

$2\frac{4}{5} \div 5\frac{3}{5}$ $8 \div 2\frac{1}{2}$ $5\frac{1}{2} \div 1\frac{5}{6}$

$15 \div 3\frac{1}{3}$ $5\frac{2}{5} \div 4\frac{1}{3}$ $\frac{1}{2} \div 7\frac{2}{3}$

✓ Bret has $1\frac{1}{2}$ pizzas. The pizzas are to be divided evenly among 6 friends. How much of a pizza will each friend get?

(OVER)