Worksheet **2.2**

Mutliplication and Division.

Multiply and Simplify. See examples on page 95 in text.

1. $\frac{9}{12} \cdot \frac{1}{12}$

A) $\frac{1}{16}$ B) $\frac{3}{48}$ C) $\frac{5}{12}$ D) $\frac{9}{2{,}304}$

2. $\frac{15}{2} \cdot \frac{6}{5}$

A) 3 B) 9 C) $\frac{90}{10}$ D) $\frac{5}{6}$

3. $25 \cdot \frac{4}{5}$

A) $\frac{629}{120}$ B) 16 C) 20 D) $\frac{100}{5}$

Find the reciprocal. See examples on page 96 in text.

4. 13

A) $\frac{1}{13}$ B) 13 C) 1 D) $\frac{13}{1}$

5. $\frac{1}{4}$

A) 0 B) 1 C) $\frac{1}{4}$ D) 4

Divide and Simplify. See examples on pages 97-98 in text.

6. $\frac{5}{9} \div \frac{7}{3}$

A) $\frac{35}{27}$ B) $\frac{21}{5}$ C) $\frac{5}{21}$ D) $\frac{27}{35}$

7. $\frac{12}{7} \div 2$

A) 6 B) $\frac{7}{6}$ C) $\frac{24}{7}$ D) $\frac{6}{7}$

Solve. See examples on page 98 in text.

8. $\frac{3}{5} \cdot x = 60$

A) 90 B) 100 C) 25 D) 60

Find the prime factorization of the number. See examples on pages 63-64 in text.

9. 63

A) $3 \cdot 3 \cdot 7$ B) $9 \cdot 7$ C) $9 \cdot 3$ D) $7 \cdot 7$

Solve. See examples on page 44 in text.

10. Vanessa has $185 in her checking account. Her $212 car payment is due at the end of the week. How much more money does she need so that she can pay her car payment?

A) $397 B) $27 C) $127 D) $73