

Name: \_\_\_\_\_ Period: \_\_\_\_\_ Date: \_\_\_\_\_

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**Homework 5-2**  
**Multiplying & Dividing Fractions**

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**Unit 5**

Solve.

1.  $(3x - 4)(-2)$

3.  $-3(5x - 8) + 2x$

5.  $12x + 3(4x - 5)$

2.  $3(-2x + 9)$

4.  $(6 + x)5$

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Find each product. Reduce your answer.

6.  $\frac{-5}{8} \cdot \frac{-1}{2}$

9.  $\frac{-2}{3} \cdot \frac{3}{8}$

12.  $\frac{1}{2}(2x + 4)$

7.  $\frac{-4}{9} \cdot \frac{3}{4}$

10.  $2\frac{2}{9} \cdot \frac{1}{2}$

13.  $9\left(\frac{1}{3}y + 2\right)$

8.  $6 \cdot \frac{2}{3}$

11.  $\frac{4}{9} \cdot 0$

Find the reciprocal of each number.

14.  $\frac{3}{4}$

16. 9

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

15.  $\frac{5}{8}$

17.  $-\frac{12}{13}$

19. -7

Find each quotient. Write in simplest form.

20.  $\frac{4}{5} \div \frac{1}{10}$

21.  $\frac{9}{10} \div -3$

22.  $-\frac{5}{6} \div \frac{1}{3}$

$$23. 2\frac{3}{4} \div \frac{5}{8}$$

$$24. 8 \div \frac{4}{5}$$

$$25. 25 \div 100$$

Solve.

$$26. \frac{4}{7}x = \frac{1}{3}$$

$$27. 2x = \frac{1}{2}$$

28. Roger spent 15 hours last week practicing his saxophone. If  $\frac{3}{10}$  of the time was spent practicing warm-up routines, how much time did he spend practicing warm-up routines?