

## Pretest

Estimate each product.

1.  $\frac{1}{5} \times 24$

1. \_\_\_\_\_

2.  $\frac{7}{8} \times \frac{3}{5}$

2. \_\_\_\_\_

3.  $3\frac{7}{8} \times 10\frac{1}{10}$

3. \_\_\_\_\_

Multiply. Write in simplest form.

4.  $6 \times \frac{2}{3}$

4. \_\_\_\_\_

5.  $\frac{4}{5} \times 15$

5. \_\_\_\_\_

6.  $\frac{1}{4} \times \frac{5}{6}$

6. \_\_\_\_\_

7.  $\frac{1}{3} \times 1\frac{1}{3}$

7. \_\_\_\_\_

Find the reciprocal of each number.

8.  $\frac{1}{2}$

8. \_\_\_\_\_

9. 4

9. \_\_\_\_\_

10.  $\frac{3}{5}$

10. \_\_\_\_\_

Divide. Write in simplest form.

11.  $3 \div \frac{2}{5}$

11. \_\_\_\_\_

12.  $\frac{4}{5} \div \frac{1}{2}$

12. \_\_\_\_\_

13.  $\frac{9}{10} \div 9$

13. \_\_\_\_\_

14.  $9 \div 1\frac{1}{9}$

14. \_\_\_\_\_

15.  $2\frac{1}{2} \div 3\frac{1}{3}$

15. \_\_\_\_\_

16.  $4\frac{1}{2} \div 2\frac{7}{10}$

16. \_\_\_\_\_

# Pretest

Write an integer for each situation.

1. \$50 withdrawal

1. \_\_\_\_\_

2. elevation of 145 feet

2. \_\_\_\_\_

Evaluate each expression.

3.  $|30 - 5| + |-7|$

3. \_\_\_\_\_

4.  $|-2| + |10 + 2|$

4. \_\_\_\_\_

5. **TEMPERATURE** The low temperature in one city was  $-4^{\circ}\text{F}$ . The low temperature in another city was  $8^{\circ}\text{F}$ . Write an inequality to compare the temperatures.

5. \_\_\_\_\_

Write each fraction as a decimal. Use bar notation if necessary.

6.  $\frac{4}{9}$

6. \_\_\_\_\_

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

7. \_\_\_\_\_

8.  $-\frac{11}{12}$

8. \_\_\_\_\_

Graph and label each point on the coordinate plane to the right.

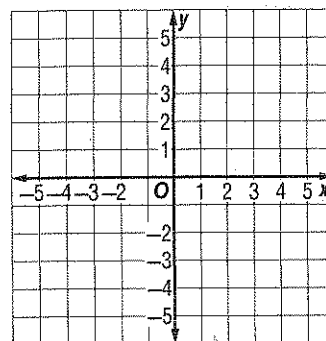
9.  $(-4, -2)$

10.  $(4, -3)$

11.  $(-1, 1)$

12.  $(2, 4)$

9-12.



## Pretest

Find the value of each expression.

1.  $8 + 9 \times 3 - 4$

1. \_\_\_\_\_

2.  $16 - 3^2$

2. \_\_\_\_\_

Evaluate the expression if  $a = 4$  and  $b = 3$

3.  $a + 8 - b$

3. \_\_\_\_\_

4.  $5a$

4. \_\_\_\_\_

Define a variable then write each phrase as an algebraic expression.

5. 9 years older than Odile

5. \_\_\_\_\_

6. one half of the total cost

6. \_\_\_\_\_

7. three times the number of berries

7. \_\_\_\_\_

Determine whether the two expressions are equivalent. If so, tell what property is applied. If not, explain why.

8.  $19 \times 6$  and  $6 \times 19$

8. \_\_\_\_\_

9. 14 and  $14 + 0$

9. \_\_\_\_\_

Use the Distributive Property to rewrite each algebraic expression.

10.  $6(d + 7)$

10. \_\_\_\_\_

11.  $2(a + 10)$

11. \_\_\_\_\_

12.  $5(y - 5)$

12. \_\_\_\_\_