

## 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. \_\_\_\_\_