

# Simplifying Expressions—Several Variables

**Directions** Find and write each quotient.

1.  $18 \div 3$  \_\_\_\_\_

2.  $-49 \div 7$  \_\_\_\_\_

3.  $24 \div -8$  \_\_\_\_\_

4.  $-35 \div -7$  \_\_\_\_\_

5.  $16 \div -4$  \_\_\_\_\_

6.  $21 \div -7$  \_\_\_\_\_

7.  $-19 \div -19$  \_\_\_\_\_

8.  $-56 \div 8$  \_\_\_\_\_

9.  $36 \div 4$  \_\_\_\_\_

10.  $-11 \div 1$  \_\_\_\_\_

**Directions** Combine like terms. Simplify each expression.

11.  $6x + 3 - 2y - x$  \_\_\_\_\_

12.  $3k - 12 + y + k$  \_\_\_\_\_

13.  $2h + 14 - 13 - 3w$  \_\_\_\_\_

14.  $7n + 18 + 12p - 18 - n$  \_\_\_\_\_

15.  $m + 4m + r + 3m$  \_\_\_\_\_

16.  $15 + 3d + (-2j) + (-4d)$  \_\_\_\_\_

17.  $22 + a - 17 - (-5b)$  \_\_\_\_\_

18.  $-16 + 9x - 2y - 9x - y - y$  \_\_\_\_\_

19.  $11r - 2 + (-2r) - (-5w)$  \_\_\_\_\_

**Directions** Solve the problem.

20. Everyone at the picnic contributed fruit to the picnic basket, as follows:

Deana—2 oranges

Kim—1 peach

Larry—3 apples

Dru—1 orange

Write a simplified addition expression to represent the fruit contents of the picnic basket.

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