

**Chapter 2.1 Using the Language of Algebra** *Practice*

Translate from algebraic notation to words.

1.  $25 - 7$

2.  $28 \div 4$

3.  $4(8)$

4.  $x + 13$

5.  $15 < 19$

6.  $43 > 25$

7.  $3x = 27$

8.  $2 \leq 18 \div 6$

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Determine if each is an expression or equation.

9.  $9 \cdot 7 = 63$

10.  $9x + 9$

11.  $H - 8 = 14$

Write in exponential form.

12.  $8 \cdot 8 \cdot 8 \cdot 8 \cdot 8 \cdot 8$

13.  $x \cdot x \cdot x \cdot x \cdot x$

Write in expanded form.

14.  $5^3$

15.  $10^7$

Simplify.

16.  $2^3 - 12 \div (10 - 6)$

17.  $2 + 8(8 - 1)$

18.  $2 \cdot 36/6$

19.  $(6 + 10) \div (3 + 1)$

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Simplify.

20.  $20 \div (4 + 6) \cdot 9$

21.  $(3 + 7)^2$

22.  $2[1 + 3(10 - 2)]$

23.  $5[2 + 4(6 - 5)]$

24. Explain the difference between an expression and an equation.

25. Why is it important to use the order of operations to simplify an expression?