

Algebra 1 - Extra Practice
Chapter 1 Sections 1 - 3

Name: _____

Date: _____ Per: _____

Extra Practice

Chapter 1 ■ Skills Practice

Lesson

Give two ways to write each algebraic expression in words.

1-1

1. $x + 8$ 2. $6(y)$ 3. $g - 4$ 4. $\frac{12}{h}$

Evaluate each expression for $a = 4$, $b = 2$, and $c = 5$.

5. $b + c$ 6. $\frac{a}{b}$ 7. $c - a$ 8. ab

Write an algebraic expression for each verbal expression. Then evaluate the algebraic expression for the given values of y .

	Verbal	Algebraic	$y = 9$	$y = 6$
9.	y reduced by 4	<input type="text"/>	<input type="text"/>	<input type="text"/>
10.	the quotient of y and 3	<input type="text"/>	<input type="text"/>	<input type="text"/>
11.	5 more than y	<input type="text"/>	<input type="text"/>	<input type="text"/>
12.	the sum of y and 2	<input type="text"/>	<input type="text"/>	<input type="text"/>

Lesson

Add or subtract using a number line.

1-2

13. $-7 - 9$ 14. $-2.2 + 4.3$ 15. $-5\frac{1}{2} - 2\frac{1}{2}$ 16. $3.4 - 6.5$

Subtract.

17. $12 - 47$ 18. $1.3 - 9.2$ 19. $y - 4\frac{2}{3}$ for $y = 1\frac{1}{3}$

Compare. Write $<$, $>$, or $=$.

20. $-5 - (-8)$ $-4 - 9$ 21. $|-6 - (-2)|$ $7 - 4$ 22. $-2 - 5$ $7 - 14$

Evaluate the expression $g - (-7)$ for each value of g .

23. $g = 121$ 24. $g = 1.25$ 25. $g = -\frac{2}{5}$ 26. $g = -8\frac{1}{3}$

Lesson

Find the value of each expression.

1-3

27. $-24 \div (-8)$ 28. $5(-9)$ 29. $-5.2 \div y$ for $y = -1.3$

30. $\frac{2}{7} \div \left(-\frac{6}{7}\right)$ 31. $0 \div \left(-\frac{4}{5}\right)$ 32. $\frac{9}{10} \div 0$

Evaluate each expression for $x = -8$, $y = 6$, and $z = -4$.

33. xy 34. yz 35. $\frac{y}{z}$ 36. $\frac{z}{x}$

Let a represent a positive number, b represent a negative number, and z represent zero. Tell whether each expression is positive, negative, zero, or undefined.

37. ab 38. $-bz$ 39. $-\frac{a}{b}$ 40. $\frac{ab}{z}$