

Cumulative Review

Chapter 1

Multiple Choice

For Exercises 1–10, choose the correct letter.

1. Which property is illustrated by $(3 + 5) + 7 = 3 + (5 + 7)$? **B**
A. Additive Identity C. Commutative Property of Addition
B. Associative Property of Addition D. Distributive Property
2. Which algebraic expression represents the statement “4 more than the product of 6 and a number”? **I**
F. $4n + 6$ H. $4 - 6n$
G. $6 - 4n$ I. $6n + 4$
3. What is the value of $-9 + (2^3 - 3^2)$? **B**
A. -26 B. -10 C. -8 D. -4
4. What is the value of $\sqrt{49}$? **G**
F. $\sqrt{7}$ G. 7 H. 14 I. 49
5. What is the order of the numbers $\sqrt{12}$, -3.5 , $\frac{5}{3}$, $-\frac{2}{3}$ from least to greatest? **D**
A. $\sqrt{12}$, -3.5 , $\frac{5}{3}$, $-\frac{2}{3}$ C. -3.5 , $-\frac{2}{3}$, $\sqrt{12}$, $\frac{5}{3}$
B. $\sqrt{12}$, $\frac{5}{3}$, $-\frac{2}{3}$, -3.5 D. -3.5 , $-\frac{2}{3}$, $\frac{5}{3}$, $\sqrt{12}$
6. Which ordered pair is not a solution of $y = 2x + 1$? **H**
F. (3, 7) G. (0, 1) H. (-1, 1) I. (-3, -5)
7. Which expression is equivalent to $-3.2(2x - 2.1)$? **A**
A. $-6.4x + 6.72$ C. $6.4x + 6.72$
B. $-6.4x - 6.72$ D. $-6.4x + 2.1$
8. Toby purchased 5 tickets online for a show. The tickets cost \$12 each plus there was a \$3.50 service fee for the order. How much money did Toby spend for the tickets? **I**
F. \$15.50 G. \$51.50 H. \$60 I. \$63.50
9. What is the value of $3^3 - (4^2 - 2^3)$? **C**
A. -1 B. 7 C. 19 D. 35
10. Which expression is equivalent to $4(2x + 1) - (-6x)$? **F**
F. $14x + 4$ G. $8x - 2$ H. $2x + 4$ I. $-14x - 4$

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Table of Contents Prentice Hall Algebra Answers

1. Understanding the eBook Prentice Hall Algebra Answers
 - The Rise of Digital Reading Prentice Hall Algebra Answers
 - Advantages of eBooks Over Traditional Books
2. Identifying Prentice Hall Algebra Answers
 - Exploring Different Genres
 - Considering Fiction vs. Non-Fiction
 - Determining Your Reading Goals
3. Choosing the Right eBook Platform
 - Popular eBook Platforms
 - Features to Look for in an Prentice Hall Algebra Answers
 - User-Friendly Interface
4. Exploring eBook Recommendations from Prentice Hall Algebra Answers
 - Personalized Recommendations
 - Prentice Hall Algebra Answers User Reviews and Ratings
 - Prentice Hall Algebra Answers and Bestseller Lists
5. Accessing Prentice Hall Algebra Answers Free and Paid eBooks
 - Prentice Hall Algebra Answers Public Domain eBooks
 - Prentice Hall Algebra Answers eBook Subscription Services
 - Prentice Hall Algebra Answers Budget-Friendly Options

6. Navigating Prentice Hall Algebra Answers eBook Formats
 - ePub, PDF, MOBI, and More
 - Prentice Hall Algebra Answers Compatibility with Devices
 - Prentice Hall Algebra Answers Enhanced eBook Features
7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Prentice Hall Algebra Answers
 - Highlighting and Note-Taking Prentice Hall Algebra Answers
 - Interactive Elements Prentice Hall Algebra Answers
8. Staying Engaged with Prentice Hall Algebra Answers
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Prentice Hall Algebra Answers
9. Balancing eBooks and Physical Books Prentice Hall Algebra Answers
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Prentice Hall Algebra Answers
10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
11. Cultivating a Reading Routine Prentice Hall Algebra Answers
 - Setting Reading Goals Prentice Hall Algebra Answers
 - Carving Out Dedicated Reading Time
12. Sourcing Reliable Information of Prentice Hall Algebra Answers
 - Fact-Checking eBook Content of Prentice Hall Algebra Answers
 - Distinguishing Credible Sources
13. Promoting Lifelong Learning
 - Utilizing eBooks for Skill Development
 - Exploring Educational eBooks
14. Embracing eBook Trends
 - Integration of Multimedia Elements

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