

7

Chapter 2 Test, Form 2B (continued)

12. 5.5 mm



- F. 338.8 mm^3
 G. $1,064.4 \text{ mm}^3$
 H. 354.8 mm^3
 J. 288.6 mm^3

13.



- A. 0.2 m^3
 B. 1.2 m^3
 C. 0.3 m^3
 D. 0.6 m^3

12. _____

13. _____

For Questions 14–16, find the surface area of each solid. Round to the nearest tenth if necessary.

14. 5 m



- F. 78.5 m^2
 G. 183.3 m^2
 H. 377.0 m^2
 J. 549.8 m^2

15.

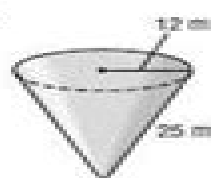


- A. 43.3 in^2
 B. 268.3 in^2
 C. 450 in^2
 D. 225 in^2

14. _____

15. _____

16.



- F. 942.5 m^2
 G. $1,394.9 \text{ m}^2$

- H. $2,789.7 \text{ m}^2$
 J. $3,769.9 \text{ m}^2$

16. _____

17. **SCHOOL** For a school project, boxes will be painted white and used to build a model of an igloo. Each box measures 6 inches by 8 inches by 3 inches. What is the surface area of each box?

- A. 144 in^2 B. 17 in^2 C. 180 in^2 D. 102 in^2

17. _____

18. Two pyramids are similar. The dimensions of the first pyramid are cut in half to create the second pyramid. The volume of the first pyramid is 50 in^3 . Find the volume of the second pyramid.

- F. 12.5 in^3 G. 25 in^3 H. 6.25 in^3 J. 50 in^3

18. _____

19. Two similar prisms are shown. Find the missing side length.

- A. 3 cm C. 9 cm
 B. 12 cm D. 10 cm

19. _____

20. Two similar prisms are shown. Find the missing volume.

- F. 12 cm^3 H. 648 cm^3
 G. 24 cm^3 J. 72 cm^3

 $V = 24 \text{ cm}^3$  $V = ?$

20. _____

Bonus The area of a triangle is 26 square meters. Find the base if the height is 3 meters.

B: _____

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1. Understanding the eBook Geometry Foundations For Geometry Answers
 - The Rise of Digital Reading Geometry Foundations For Geometry Answers
 - Advantages of eBooks Over Traditional Books
2. Identifying Geometry Foundations For Geometry 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 Geometry Foundations For Geometry Answers
 - User-Friendly Interface
4. Exploring eBook Recommendations from Geometry Foundations For Geometry Answers
 - Personalized Recommendations
 - Geometry Foundations For Geometry Answers User Reviews and Ratings
 - Geometry Foundations For Geometry Answers and Bestseller Lists
5. Accessing Geometry Foundations For Geometry Answers Free and Paid eBooks

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

- Exploring Educational eBooks

14. Embracing eBook Trends

- Integration of Multimedia Elements
- Interactive and Gamified eBooks

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we will define how they work and use them to rewrite exponential expressions in various ways we previously learned about integer powers first positive and then also negative but what does it mean to raise a number to the 2 5 power

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