

# 12 Chapter 12 Test, Form 2B

Write the letter for the correct answer in the blank on the right of each question.

1. Find the value of  $\sec A$ .

A  $\frac{11}{5}$

C  $\frac{6}{17}$

B  $\frac{16}{17}$

D  $\frac{17}{16}$



1. A

2. Which equation can be used to find  $x$ ?

F  $\sin 32^\circ = \frac{x}{5}$

H  $\cos 32^\circ = \frac{x}{5}$

G  $\tan 32^\circ = \frac{x}{5}$

J  $\cos 32^\circ = \frac{5}{x}$



2. J

3. Find  $A$  to the nearest degree.

A  $55^\circ$

C  $30^\circ$

B  $35^\circ$

D  $60^\circ$



3. B

4. Rewrite  $\frac{2\pi}{3}$  radians in degree measure.

F  $450^\circ$

G  $225^\circ$

H  $255\pi^\circ$

J  $113.5^\circ$

4. G

5. Which angle is coterminal with a  $-400^\circ$  angle in standard position?

A  $40^\circ$

B  $80^\circ$

C  $320^\circ$

D  $-400^\circ$

5. C

6. Find the exact value of  $\cos \theta$  if the terminal side of  $\theta$  in standard position contains the point  $(6, -8)$ .

F  $-\frac{3}{5}$

G  $\frac{3}{5}$

H  $\frac{4}{5}$

J  $-\frac{4}{5}$

6. G

7. Find the exact value of  $\cot(-315^\circ)$ .

A 1

B  $\sqrt{2}$

C  $\frac{\sqrt{2}}{2}$

D 2

7. A

8. Find the exact value of  $\sin\left(-\frac{3\pi}{8}\right)$ .

F  $-\frac{1}{2}$

G  $-\frac{\sqrt{3}}{2}$

H  $-\frac{\sqrt{2}}{2}$

J  $\frac{\sqrt{3}}{2}$

8. F

9. In  $\triangle ABC$ ,  $C = 90^\circ$ ,  $a = 25$ , and  $b = 42$ . Find  $B$ .

A  $78^\circ$

B  $117^\circ$

C  $11^\circ$

D  $55^\circ$

9. A

10. Find the area of  $\triangle ABC$  if  $A = 55^\circ$ ,  $b = 8$  meters and  $c = 14$  meters.

F  $91.7 \text{ m}^2$

G  $22.3 \text{ m}^2$

H  $48.9 \text{ m}^2$

J  $54.0 \text{ m}^2$

10. H

# Geometry Chapter 12 Test B Answers

**Ronald Staszko**



## Geometry Chapter 12 Test B Answers:

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manual offers eight model SAT tests with answers and explanations a full length diagnostic test subject reviews covering all pertinent math and verbal skills study tips plus a description of what test takers can expect from the all new SATs premiering in early 94

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**Geometry** Ron Larson, 1995

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## **Table of Contents Geometry Chapter 12 Test B Answers**

1. Understanding the eBook Geometry Chapter 12 Test B Answers
  - The Rise of Digital Reading Geometry Chapter 12 Test B Answers
  - Advantages of eBooks Over Traditional Books
2. Identifying Geometry Chapter 12 Test B 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 eBook Platform
  - User-Friendly Interface
4. Exploring eBook Recommendations from Geometry Chapter 12 Test B Answers
  - Personalized Recommendations
  - Geometry Chapter 12 Test B Answers User Reviews and Ratings
  - Geometry Chapter 12 Test B Answers and Bestseller Lists
5. Accessing Geometry Chapter 12 Test B Answers Free and Paid eBooks
  - Geometry Chapter 12 Test B Answers Public Domain eBooks
  - Geometry Chapter 12 Test B Answers eBook Subscription Services
  - Geometry Chapter 12 Test B Answers Budget-Friendly Options
6. Navigating Geometry Chapter 12 Test B Answers eBook Formats
  - ePub, PDF, MOBI, and More
  - Geometry Chapter 12 Test B Answers Compatibility with Devices
  - Geometry Chapter 12 Test B Answers Enhanced eBook Features
7. Enhancing Your Reading Experience
  - Adjustable Fonts and Text Sizes of Geometry Chapter 12 Test B Answers
  - Highlighting and Note-Taking Geometry Chapter 12 Test B Answers
  - Interactive Elements Geometry Chapter 12 Test B Answers

8. Staying Engaged with Geometry Chapter 12 Test B Answers
  - Joining Online Reading Communities
  - Participating in Virtual Book Clubs
  - Following Authors and Publishers Geometry Chapter 12 Test B Answers
9. Balancing eBooks and Physical Books Geometry Chapter 12 Test B Answers
  - Benefits of a Digital Library
  - Creating a Diverse Reading Collection Geometry Chapter 12 Test B Answers
10. Overcoming Reading Challenges
  - Dealing with Digital Eye Strain
  - Minimizing Distractions
  - Managing Screen Time
11. Cultivating a Reading Routine Geometry Chapter 12 Test B Answers
  - Setting Reading Goals Geometry Chapter 12 Test B Answers
  - Carving Out Dedicated Reading Time
12. Sourcing Reliable Information of Geometry Chapter 12 Test B Answers
  - Fact-Checking eBook Content of Geometry Chapter 12 Test B 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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