

GRADE 9 MATHEMATICS NOVEMBER EXAMINATION PAPER 2

QUESTION 1

- 1.1 Draw a rhombus and indicate all properties in mathematical language. (5)
- 1.2 Choose the correct answer and write only the LETTER on your answer sheet.
 - 1.2.1 Which of the following statements is NOT true about a kite?
 - A. The longer diagonal bisects the shorter diagonal at 90"
 - B The shorter diagonal bisects the longer diagonal at 90"
 - C Diagonals bleed each other
 - D. Diagonals are equal.
 - 1.2.2 An isosceles triangle has a top angle of 70°. The individual value of the equal angles will be:
 - A 60°
 - 0.195
 - C 70*
 - 0 657
 - 123 Atrombtion h:
 - A. Any horizontal or vertical change in position of a shape.
 - 8 A mirror image of the original position.
 - C. An enlargement of the original shape.
 - D. A reduction of the original shape.

12.4 What is the length of AC in the figure below:



- A. Michigan
- B. Blem
- C. Diem.
- D. Som
- 1.2.5 A point on a shape has coordinates (-2; I), what would the new coordinates be after a y ≡ -4 reflection
 - A (3) -2).
 - 0 (2.3%
 - 0 (-3/2).
 - 0 (3/2)

650

iai.

QUESTION 2: GEOMETRY

207 444

Use the following structure to answer this question:

Statement:	Reason:
, Progressions	1. 11/2/2007

2.1 In the diagram below ASE = 65° and DCF = 12°



2.1.1 Calculate the size of BAC. Give reasons and show your calculations.

- (3)

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Y Pai

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- 1. Understanding the eBook Grade 9 Mathematics Paper November
 - The Rise of Digital Reading Grade 9 Mathematics Paper November
 - Advantages of eBooks Over Traditional Books
- 2. Identifying Grade 9 Mathematics Paper November
 - 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 Grade 9 Mathematics Paper November
 - User-Friendly Interface
- 4. Exploring eBook Recommendations from Grade 9 Mathematics Paper November
 - Personalized Recommendations
 - Grade 9 Mathematics Paper November User Reviews and Ratings
 - Grade 9 Mathematics Paper November and Bestseller Lists
- 5. Accessing Grade 9 Mathematics Paper November Free and Paid eBooks

- Grade 9 Mathematics Paper November Public Domain eBooks
- Grade 9 Mathematics Paper November eBook Subscription Services
- Grade 9 Mathematics Paper November Budget-Friendly Options
- 6. Navigating Grade 9 Mathematics Paper November eBook Formats
 - o ePub, PDF, MOBI, and More
 - Grade 9 Mathematics Paper November Compatibility with Devices
 - Grade 9 Mathematics Paper November Enhanced eBook Features
- 7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Grade 9 Mathematics Paper November
 - Highlighting and Note-Taking Grade 9 Mathematics Paper November
 - o Interactive Elements Grade 9 Mathematics Paper November
- 8. Staying Engaged with Grade 9 Mathematics Paper November
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Grade 9 Mathematics Paper November
- 9. Balancing eBooks and Physical Books Grade 9 Mathematics Paper November
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Grade 9 Mathematics Paper November
- 10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
- 11. Cultivating a Reading Routine Grade 9 Mathematics Paper November
 - Setting Reading Goals Grade 9 Mathematics Paper November
 - Carving Out Dedicated Reading Time
- 12. Sourcing Reliable Information of Grade 9 Mathematics Paper November
 - Fact-Checking eBook Content of Grade 9 Mathematics Paper November
 - 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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