



GRADE 12

basic education

Department:
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REPUBLIC OF SOUTH AFRICA

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NATIONAL SENIOR CERTIFICATE/
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GRADE 12/GRAAD 12

MATHEMATICS PU/WISKUNDE VI

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MATHS

PAPER 1 MEMO

Mathematics/P1

3
50/150



QUESTION 1

1.1 Solve for x :

1.1.1 $x^2 - 6x - 9$

1.1.2 $x^2 + 10x + 8 = 0$ (correct to TWO decimal places)

1.1.3 $(x - 3)(x + 2) < 0$

1.1.4 $\sqrt{x - 18} = x - 2$

1.2 Solve simultaneously for x and y :

$x + y = 3$ and $2x^2 + 4xy - y = 15$

1.3 If n is the largest integer for which $n^{20} < 5^{20}$, determine the value of n .

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Table of Contents Mathematics Grade 12 Paper 1 Memorandum

1. Understanding the eBook Mathematics Grade 12 Paper 1 Memorandum
 - The Rise of Digital Reading Mathematics Grade 12 Paper 1 Memorandum
 - Advantages of eBooks Over Traditional Books
2. Identifying Mathematics Grade 12 Paper 1 Memorandum
 - 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 Mathematics Grade 12 Paper 1 Memorandum
 - User-Friendly Interface
4. Exploring eBook Recommendations from Mathematics Grade 12 Paper 1 Memorandum

- Personalized Recommendations
 - Mathematics Grade 12 Paper 1 Memorandum User Reviews and Ratings
 - Mathematics Grade 12 Paper 1 Memorandum and Bestseller Lists
5. Accessing Mathematics Grade 12 Paper 1 Memorandum Free and Paid eBooks
- Mathematics Grade 12 Paper 1 Memorandum Public Domain eBooks
 - Mathematics Grade 12 Paper 1 Memorandum eBook Subscription Services
 - Mathematics Grade 12 Paper 1 Memorandum Budget-Friendly Options
6. Navigating Mathematics Grade 12 Paper 1 Memorandum eBook Formats
- ePub, PDF, MOBI, and More
 - Mathematics Grade 12 Paper 1 Memorandum Compatibility with Devices
 - Mathematics Grade 12 Paper 1 Memorandum Enhanced eBook Features
7. Enhancing Your Reading Experience
- Adjustable Fonts and Text Sizes of Mathematics Grade 12 Paper 1 Memorandum
 - Highlighting and Note-Taking Mathematics Grade 12 Paper 1 Memorandum
 - Interactive Elements Mathematics Grade 12 Paper 1 Memorandum
8. Staying Engaged with Mathematics Grade 12 Paper 1 Memorandum
- Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Mathematics Grade 12 Paper 1 Memorandum
9. Balancing eBooks and Physical Books Mathematics Grade 12 Paper 1 Memorandum
- Benefits of a Digital Library
 - Creating a Diverse Reading Collection Mathematics Grade 12 Paper 1 Memorandum
10. Overcoming Reading Challenges
- Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
11. Cultivating a Reading Routine Mathematics Grade 12 Paper 1 Memorandum
- Setting Reading Goals Mathematics Grade 12 Paper 1 Memorandum
 - Carving Out Dedicated Reading Time
12. Sourcing Reliable Information of Mathematics Grade 12 Paper 1 Memorandum

- Fact-Checking eBook Content of Mathematics Grade 12 Paper 1 Memorandum
 - 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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