



GRADE 12

basic education

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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

1
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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1. Understanding the eBook Maths Paper 1 Grade 12 November 2012 Memo
 - The Rise of Digital Reading Maths Paper 1 Grade 12 November 2012 Memo
 - Advantages of eBooks Over Traditional Books
2. Identifying Maths Paper 1 Grade 12 November 2012 Memo
 - 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 Maths Paper 1 Grade 12 November 2012 Memo
 - User-Friendly Interface
4. Exploring eBook Recommendations from Maths Paper 1 Grade 12 November 2012 Memo
 - Personalized Recommendations
 - Maths Paper 1 Grade 12 November 2012 Memo User Reviews and Ratings
 - Maths Paper 1 Grade 12 November 2012 Memo and Bestseller Lists
5. Accessing Maths Paper 1 Grade 12 November 2012 Memo Free and Paid eBooks

- Maths Paper 1 Grade 12 November 2012 Memo Public Domain eBooks
 - Maths Paper 1 Grade 12 November 2012 Memo eBook Subscription Services
 - Maths Paper 1 Grade 12 November 2012 Memo Budget-Friendly Options
6. Navigating Maths Paper 1 Grade 12 November 2012 Memo eBook Formats
- ePub, PDF, MOBI, and More
 - Maths Paper 1 Grade 12 November 2012 Memo Compatibility with Devices
 - Maths Paper 1 Grade 12 November 2012 Memo Enhanced eBook Features
7. Enhancing Your Reading Experience
- Adjustable Fonts and Text Sizes of Maths Paper 1 Grade 12 November 2012 Memo
 - Highlighting and Note-Taking Maths Paper 1 Grade 12 November 2012 Memo
 - Interactive Elements Maths Paper 1 Grade 12 November 2012 Memo
8. Staying Engaged with Maths Paper 1 Grade 12 November 2012 Memo
- Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Maths Paper 1 Grade 12 November 2012 Memo
9. Balancing eBooks and Physical Books Maths Paper 1 Grade 12 November 2012 Memo
- Benefits of a Digital Library
 - Creating a Diverse Reading Collection Maths Paper 1 Grade 12 November 2012 Memo
10. Overcoming Reading Challenges
- Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
11. Cultivating a Reading Routine Maths Paper 1 Grade 12 November 2012 Memo
- Setting Reading Goals Maths Paper 1 Grade 12 November 2012 Memo
 - Carving Out Dedicated Reading Time
12. Sourcing Reliable Information of Maths Paper 1 Grade 12 November 2012 Memo
- Fact-Checking eBook Content of Maths Paper 1 Grade 12 November 2012 Memo
 - 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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