



GRADE 12

basic education

Department:
Basic Education
REPUBLIC OF SOUTH AFRICA

SENIOR CERTIFICATE/SENIOR SERTIFIKAAT
NATIONAL SENIOR CERTIFICATE/
NASIONALE SENIOR SERTIFIKAAT

GRADE 12/GRAAD 12

MATHEMATICS PU/WISKUNDE VI

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MARKING GUIDELINES/NASIERINGSLEIE

MARKS/PUNTE: 150

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Hierdie nasienriglyne bestaan uit 18 bladsye.

MATHS

PAPER 1 MEMO

Mathematics/P1

3
50/100



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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Judd E. Hollander



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Table of Contents Grade 12 Mathematic From 20to 2014 Question Paper Nd Memo

1. Understanding the eBook Grade 12 Mathematic From 20to 2014 Question Paper Nd Memo
 - The Rise of Digital Reading Grade 12 Mathematic From 20to 2014 Question Paper Nd Memo
 - Advantages of eBooks Over Traditional Books
2. Identifying Grade 12 Mathematic From 20to 2014 Question Paper Nd 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 Grade 12 Mathematic From 20to 2014 Question Paper Nd Memo
 - User-Friendly Interface
4. Exploring eBook Recommendations from Grade 12 Mathematic From 20to 2014 Question Paper Nd Memo
 - Personalized Recommendations
 - Grade 12 Mathematic From 20to 2014 Question Paper Nd Memo User Reviews and Ratings
 - Grade 12 Mathematic From 20to 2014 Question Paper Nd Memo and Bestseller Lists
5. Accessing Grade 12 Mathematic From 20to 2014 Question Paper Nd Memo Free and Paid eBooks
 - Grade 12 Mathematic From 20to 2014 Question Paper Nd Memo Public Domain eBooks
 - Grade 12 Mathematic From 20to 2014 Question Paper Nd Memo eBook Subscription Services
 - Grade 12 Mathematic From 20to 2014 Question Paper Nd Memo Budget-Friendly Options

6. Navigating Grade 12 Mathematic From 20to 2014 Question Paper Nd Memo eBook Formats
 - ePub, PDF, MOBI, and More
 - Grade 12 Mathematic From 20to 2014 Question Paper Nd Memo Compatibility with Devices
 - Grade 12 Mathematic From 20to 2014 Question Paper Nd Memo Enhanced eBook Features
7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Grade 12 Mathematic From 20to 2014 Question Paper Nd Memo
 - Highlighting and Note-Taking Grade 12 Mathematic From 20to 2014 Question Paper Nd Memo
 - Interactive Elements Grade 12 Mathematic From 20to 2014 Question Paper Nd Memo
8. Staying Engaged with Grade 12 Mathematic From 20to 2014 Question Paper Nd Memo
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Grade 12 Mathematic From 20to 2014 Question Paper Nd Memo
9. Balancing eBooks and Physical Books Grade 12 Mathematic From 20to 2014 Question Paper Nd Memo
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Grade 12 Mathematic From 20to 2014 Question Paper Nd Memo
10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
11. Cultivating a Reading Routine Grade 12 Mathematic From 20to 2014 Question Paper Nd Memo
 - Setting Reading Goals Grade 12 Mathematic From 20to 2014 Question Paper Nd Memo
 - Carving Out Dedicated Reading Time
12. Sourcing Reliable Information of Grade 12 Mathematic From 20to 2014 Question Paper Nd Memo
 - Fact-Checking eBook Content of Grade 12 Mathematic From 20to 2014 Question Paper Nd 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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