NATIONAL CERTIFICATE

MATHEMATICS N4

(16030164)

20 November 2024 (X-Paper) 09:00-12:00

Calculators may be used.

This question paper consists of 5 pages and a 1-page formula sheet.

048Q1E2420

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DHET		-3- T1050(E)(M28)	
QUEST	TION 1		
1.1	1.1.1	Sketch the graph of $\frac{x^2}{20} + \frac{y^3}{32} = \frac{1}{50}$	(3)
	1.1.2	What is the domain of the graph in QUESTION 1.1.17	(2)
	1.1.3	Is the graph in QUESTION 1.1.1 symmetrical about both axes?	(1)
	1.1.4	Does the graph in QUESTION 1.1.1 represent a function or a relation?	(1)
1.2	Steetch t	the graph of $x = +\sqrt{27 + y^2}$.	(3)
1.3	Solve fo	e x if.	
	$x^2 + 2x$	m-2	(4)
1.4	Simplify	the following and leave answer in $a + jb$ form:	

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Table of Contents N4 Maths Papers

- 1. Understanding the eBook N4 Maths Papers
 - The Rise of Digital Reading N4 Maths Papers
 - Advantages of eBooks Over Traditional Books
- 2. Identifying N4 Maths Papers
 - 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 N4 Maths Papers
 - User-Friendly Interface
- 4. Exploring eBook Recommendations from N4 Maths Papers
 - Personalized Recommendations
 - N4 Maths Papers User Reviews and Ratings
 - N4 Maths Papers and Bestseller Lists
- 5. Accessing N4 Maths Papers Free and Paid eBooks
 - N4 Maths Papers Public Domain eBooks
 - N4 Maths Papers eBook Subscription Services

- N4 Maths Papers Budget-Friendly Options
- 6. Navigating N4 Maths Papers eBook Formats
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 - N4 Maths Papers Enhanced eBook Features
- 7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of N4 Maths Papers
 - Highlighting and Note-Taking N4 Maths Papers
 - Interactive Elements N4 Maths Papers
- 8. Staying Engaged with N4 Maths Papers
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers N4 Maths Papers
- 9. Balancing eBooks and Physical Books N4 Maths Papers
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection N4 Maths Papers
- 10. Overcoming Reading Challenges
 - o Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
- 11. Cultivating a Reading Routine N4 Maths Papers
 - Setting Reading Goals N4 Maths Papers
 - Carving Out Dedicated Reading Time
- 12. Sourcing Reliable Information of N4 Maths Papers
 - Fact-Checking eBook Content of N4 Maths Papers
 - 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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