

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.

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QUESTION 1

- 1.1 1.1.1 Sketch the graph of  $\frac{x^2}{20} + \frac{y^2}{32} = \frac{1}{50}$ . (3)
- 1.1.2 What is the domain of the graph in QUESTION 1.1.1? (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 Sketch the graph of  $x = +\sqrt{27 + y^2}$ . (3)
- 1.3 Solve for  $x$  if:  
 $x^2 + 2x = -2$  (4)
- 1.4 Simplify the following and leave answer in  $a + jb$  form:

$(1 - j)^2$

# Mathematics N4 Question Papers Arjfc

**Richard Bailey**



**Mathematics N4 Question Papers Arjfc:**

## **Mathematics N4 Question Papers Arjfc** Book Review: Unveiling the Magic of Language

In a digital era where connections and knowledge reign supreme, the enchanting power of language has become much more apparent than ever. Its power to stir emotions, provoke thought, and instigate transformation is actually remarkable. This extraordinary book, aptly titled "**Mathematics N4 Question Papers Arjfc**," published by a very acclaimed author, immerses readers in a captivating exploration of the significance of language and its profound effect on our existence. Throughout this critique, we shall delve into the book's central themes, evaluate its unique writing style, and assess its overall influence on its readership.

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