**

**Mathematics Specialist Unit 2**

# Test 6

**Complex Numbers and Matrices**

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| **Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Total Marks:\_\_\_\_\_\_\_\_\_\_** |
|  |
|  |

**Task type: Response**

**Time allowed for this task:** 60 minutes, in-class, under test conditions

Section One: Calculator-free 38 minutes ( 34 marks)

(3 Minutes Reading – 35 Minutes Working)

Section Two: Calculator-assumed 22 minutes ( 22 marks)

(2 minutes Reading - 22 minutes working)

**Materials required:** Calculator with CAS capability (to be provided by the student)

**Standard items:** Pens (blue/black preferred), pencils (including coloured), sharpener, correction fluid/tape, eraser, ruler, highlighters

**Special items:**  Drawing instruments, templates, notes on one unfolded sheet of   
A4 paper, and up to three calculators approved for use in the WACE examinations

Formula sheet

**Marks available: 56 marks**

**Task weighting: 7%**

**Section One : Calculator Free 34 Marks**

**Time Allowed 30 minutes**

Question 1 (5 marks)

Question 2 (4 marks)

**Section Two : Calculator Assumed 22 Marks**

**Time Allowed 30 minutes Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

Question 8 (8 marks)