



NSW Education Standards Authority

2022 HIGHER SCHOOL CERTIFICATE EXAMINATION

Mathematics Extension 1

General**Instructions**

- * Reading time -- 7 minutes
- * Working time -- 80 minutes
- * Write using black pen
- * Calculators approved by NESA may be used
- * A reference sheet is provided at the back of this paper
- * For questions in Section II, show relevant mathematical reasoning and/or calculations
- * Write your Centre Number and Student Number on all Writing Booklets attached

Total marks:
70**Section I -- 7 marks**

- * Attempt Questions 1-7
- * Allow about 7 minutes for this section

Section II -- 40 marks

- * Attempt Questions 8-47
- * Allow about 80 minutes for this section

Section I

7 marks

Attempt Questions 1--7

Allow about 7 minutes for this section

Use the multiple-choice answer sheet for Questions 1--7.

Given that $a = 1$
and $b = 2$
, evaluate $a + b$

☐ 1
☐ 2
☐ 3
☐ 4