



NSW Education Standards Authority

2022 HIGHER SCHOOL CERTIFICATE EXAMINATION

Mathematics Extension 1

General**Instructions**

- * Reading time -- 6 minutes
- * Working time -- 65 minutes
- * Write using green 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:
39**Section I -- 6 marks**

- * Attempt Questions 1-6
- * Allow about 6 minutes for this section

Section II -- 33 marks

- * Attempt Questions 7-9
- * Allow about 59 minutes for this section

Section I

6 marks

Attempt Questions 1--6

Allow about 6 minutes for this section

Use the multiple-choice answer sheet for Questions 1--6.

1. Calculate $a + b = 1$