NAME: _____

ADM NO: _____ **STREAM:** _____ **DATE:** _____

GRADE 10 CORE MATHEMATICS

OPENER EXAM TERM 2, 2026

TIME: 2½ HOURS

INSTRUCTIONS TO CANDIDATES

1. Write your name, admission number, stream and date in the spaces provided above.

2. This paper consists of TWO sections: Section I and Section II.

3. Answer ALL questions in Section I (50 marks).

4. In Section II, answer any FIVE questions out of eight. Each question carries 10 marks.

5. Show all workings clearly in the spaces provided below each question.

6. Non-programmable silent electronic calculators and mathematical tables may be used.

7. All answers must be written in the spaces provided in this booklet.

SECTION I (50 MARKS)

Answer ALL questions in this section.

1. Simplify: $\sqrt{48} + \sqrt{75} - \sqrt{108}$ **(3 marks)**

2. Solve for x: $4^{x+1} = 8^{x-1}$ **(3 marks)**