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Orange High School

Honour the Past, Create the Future

Higher School Certificate Assessment Task Cover Sheet

Student Name:

Subject: Mathematics Extension 1 **Year:** Year 12 **Teacher:** Mrs Edwards

Assessment Task Number (As per Assessment Policy booklet): 2

Assessment Task Title: In Class Test with Notes

Assessment Weighting: 25%

Date Distributed: 12th March 2025 **Date Due:** Wednesday 26th March 2025 (Period 4)

Zero marks if the Assessment Task is completed late, unless an Illness/ Misadventure or application for extension form has been submitted.

Comments by Teacher:

You have **55** minutes to complete the task.

You can be assessed on any work associated with the following topics:

Mathematical Induction

Vectors

Trigonometric Functions

Further Differentiation

Further Vectors

Materials:

- You will be provided with the four page NESA formula sheet
- You are permitted to bring in **one double sided A4 hand-written page of notes** to use during your task. You will submit this at the conclusion of the task. It is not worth any marks
- Bring a NESA approved calculator

Syllabus Outcomes:

ME12-1	applies techniques involving proof or calculus to model and solve problems
ME12-2	applies concepts and techniques involving vectors and projectiles to solve problems
ME12-3	applies advanced concepts and techniques in simplifying expressions involving compound angles and solving trigonometric equations
ME12-4	uses calculus in the solution of applied problems, including differential equations and volumes of solids of revolution
ME12-7	evaluates and justifies conclusions, communicating a position clearly in appropriate mathematical forms

Assessment Criteria/Marking Rubric:

Marks for each question will be clearly shown next to each question in the test paper.
