JOHN EDMONDSON HIGH SCHOOL
Assessment Notification

Faculty: Mathematics **Course: Year 10 Mathematics 5.1** **Year: 10**

Assessment Task: 2

Assessment Weighting: 30% **Due: Term 2, Week 2** **Date: Friday 10 May 2024**

Task Type: Hand in Task ☐ In Class Task ☒ Practical Task ☐

Outcomes assessed (NESA)
MA5.1-5NA, MA5.1-9MG, MA5.1-10MG, MA5.1-1WM, MA5.1-2WM, MA5.1-3WM Please Note: Further information about these outcome codes can be found on the NESA Website
Task Description/Overview
This in class written examination will consist of short answer questions. No reference material is allowed during the examination Time allowed: 45 Minutes (within 1 Period) Equipment Required: Black Pen(s) and a NESA approved calculator
Detailed Assessment Task Description
Students may be asked to: **Indices** - Describe numbers written in index form using terms such as base, power, index, exponent, simplify, expand and evaluate numbers expressed as powers of positive whole numbers, apply order of operations rules involving indices, apply the zero index and negative indices, recognise the link between squares and square roots and cubes and cube roots, use index laws to simplify expressions involving numerical bases, simplify algebraic expressions that include index notation. **Number** (Scientific Notation and Significant Figures) - Identify significant figures, round numbers to a specified number of significant figures and decimal places, use symbols for approximation, write recurring decimals in fraction form using calculator and non-calculator methods, write numbers in scientific notation. **Trigonometry** - Identify and label the side lengths of a right-angled triangle in relation to a given angle, select and use appropriate trigonometric ratios in right-angled triangles to find unknown angles correct to the nearest degree and unknown sides, solve problems in practical situations, know how to use the calculator to find an angle or side given one of the trigonometric ratios of the angle, Please Note: More detailed topic overviews are published on CANVAS

Test/Examination Structure	
Section Description	**Marks Available**
Indices	10
Number – Scientific Notation and Significant Figures	10
Trigonometry	30
Total Marks for this task	**50**

Satisfactory completion of courses

A course has been satisfactorily completed, when the student has:

- Followed the course developed/endorsed by the NSW Educational Standards Authority (NESA)
- Applied himself/herself with diligence and sustained effort to the set tasks and experiences provided in the course.
- Achieved some or all of the course outcomes