



# JOHN EDMONDSON HIGH SCHOOL

## Assessment Notification

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

Assessment Task: 1

Assessment Weighting: 20% Due: Term 1, Week 6 Date: Wednesday, 1<sup>st</sup> March 2023

Task Type: Hand in Task  In Class Task  Practical Task

<b>Outcomes assessed (NESA)</b>
<b>MA5.1-5NA, MA5.1-1WM, MA5.1-3WM</b>
Please Note: Further information about these outcome codes can be found on the NESA Website
<b>Task Description/Overview</b>
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
<b>Detailed Assessment Task Description</b>
Students may be asked to:  Describe numbers written in index form using terms such as base, power, index, exponent, express a number as a product of its prime factors, evaluating numbers expressed as powers of positive whole numbers, apply order of operations rules involving indices, establish the meaning of the zero index and negative indices, recognise the link between squares and square roots and cubes and cube roots, translate numbers to index form (integral indices) and vice versa, develop index laws arithmetically by expressing each term in expanded form, use index laws to simplify expressions involving numerical bases, simplify algebraic expressions that include index notation.  Please Note: More detailed topic overviews are published on CANVAS

<b>Test/Examination Structure</b>	
<b>Section Description</b>	<b>Marks Available</b>
Indices	40
<b>Total Marks for this task</b>	<b>40</b>

### 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