



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: Thursday 4 May 2023

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, 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. 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 the hypotenuse, adjacent and opposite sides with respect to a given angle in a right-angled triangle in any orientation, label the side lengths of a right-angled triangle in relation to a given angle, label sides of right-angled triangles in different orientations in relation to a given angle, define the sine, cosine and tangent ratios for angles in right-angled triangles, use trigonometric notation, use a calculator to find approximations of the trigonometric ratios of a given angle measured in degrees, use a calculator to find an angle correct to the nearest degree given one of the trigonometric ratios of the angle, select and use appropriate trigonometric ratios in right-angled triangles to find unknown sides including the hypotenuse, select and use appropriate trigonometric ratios in right-angled triangles to find unknown angles correct to the nearest degree, solve problems in practical situations involving right-angled triangles 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