### Outcomes assessed (NESA)

MA11-1 to MA11-9 inclusive and MA12-1 to MA12-10 inclusive.
PLEASE NOTE: further information related to these codes can be found on the NESA website

### Task Description/Overview

This task will take place in the hall during the Trial Examination period (weeks 3 and 4). This will consist of multiple choice and short answer questions

Time allowed: 3 hours plus 10 minutes reading time

Equipment required: Black pen and NESA approved calculator

### Detailed Assessment Task Description

Topics to be assessed:

All topics from Year 11 and Year 12 will be covered. For further details, refer to the ‘Topic Overviews’ distributed to all students and uploaded onto CANVAS.

#### Year 11

- Working with Functions
- Trigonometric Functions and Identities
- Logarithms and Exponentials
- Trigonometry and Measure of Angles
- Introduction to Differentiation
- Probability and Discrete Probability Distributions

#### Year 12

- Graphing Techniques
- Differential Calculus
- Integral Calculus
- Random Variables
- Trigonometric Functions and Graphs
- Applications of Differentiation
- Modelling Financial Situations
- Descriptive Statistics and Bivariate Data Analysis

### Test/Examination Structure

<table>
<thead>
<tr>
<th>Section Description</th>
<th>Marks Available</th>
</tr>
</thead>
<tbody>
<tr>
<td>10 Multiple choice questions</td>
<td>10</td>
</tr>
<tr>
<td>Short answer questions</td>
<td>90</td>
</tr>
</tbody>
</table>

Total Marks for this task 100
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