Woodward Street
PO Box 654, Orange NSW 2800
P (02) 6362 3444
F (02) 6361 3616
www.orange-h.schools.nsw.edu.au
Orange High School

Honour the Past, Create the Future

Higher School Certificate Assessment Task Cover Sheet

Subject: Standard 1 Mathematics Year: Year 12 - HSC Teacher: Mrs Arnott

Assessment Task Number (As per Assessment Policy booklet): 3

Assessment Task Title: In Class Test – Mid Course Examination

Assessment Weighting: 25%

Date Distributed: Monday 9th May 2022 (Week 3 Term 2) Date Due: Monday 23rd May 2022 (Week 5 Term 2)

All Higher School Certificate Assessment Tasks, other than in-class tasks, must be handed in at the library between 8.30am and 8.55am (before the first morning bell) on the due date. Zero marks if the Assessment Task is submitted late, unless an Illness/ Misadventure or application for extension form has been submitted.

Comments by Teacher: (in class test – double period 90 mins)

You will be assessed on all work associated with the below. Textbook references refer to Cambridge 12 Standard 1.

Right-Angled Triangles (Chapter 4)	**Rates (Chapter 1)**	**Investments (Chapter 3)**	**Solutions of Linear Relationships (Chapter 5)**	**Networks & Paths (Chapter 2)**	**Further Statistical Analysis (Chapter 6)**	**Year 11 Content (Cambridge 11 textbook)**
- Pythagoras' Theorem - Applying Pythagoras' Theorem to calculate the perimeters of irregular shapes - Pythagorean Triads - Trigonometric Ratios SOH CAH TOA - Using the calculator in trigonometry - Finding an unknown side and angle - Angles of Elevation and Depression - Compass and True Bearings	- Rates - Unitary Method - Using Rates to Make Comparisons - Speed as a Rate - Distance-Time Graphs - Fuel Consumption Rate - Heart Rate - Blood Pressure	- Simple Interest Annual and Non-annual - Simple Interest Graphs - Compound Interest Future Value Annual and Non-annual - Compound Interest Present Value - Compound Interest Graphs - Appreciation and Inflation	- Table of Values - Gradient-Intercept Form and Parallel Lines - Linear Models - Direct Variation - Simultaneous Graphically - Simultaneous Models - Break-even Analysis	- Network Terminology - Travelling a Network - Drawing a Network - Network Problems - Minimal Spanning Trees - Shortest Path	- Constructing and interpreting a scatterplot - Form, direction, strength of association in scatterplot - Line of Best Fit - Interpolation & Extrapolation - Statistical Investigation	- Earning & Managing Money - Formulae & Equations - Measurement & Energy - Relative Frequency & Probability - Perimeter, Area & Volume - Classifying & Representing Data - Linear Relationships - Interest & Depreciation - Exploring & Describing Data - Working with Time - Budgeting & Household Expenses

Activities such as work placement, sporting commitments, excursions etc. do not provide grounds for completing the task late unless exceptional circumstances exist:

- Students need to communicate with the Head Teacher to organise a time to complete the task before the due date.
- Documentation for the change of date needs to be completed before the due date.

A one page NESA formula sheet will be given out with the examination paper (also given to students at the start of the year).

Syllabus Outcomes:
MS11-1, MS11-2, MS11-3, MS11-4, MS11-5, MS11-6, MS11-7, MS11-8, MS11-9, MS11-10
MS1-12-1, MS1-12-2, MS1-12-3, MS1-12-4, MS1-12-5, MS1-12-6, MS1-12-7, MS1-12-8, MS1-12-9, MS1-12-10

Assessment Criteria/Marking Rubric:
Marks for each question will be clearly shown next to each question in the test paper.

Higher School Certificate Assessment Submission Receipt

Student's Name: **Student's Signature**

Assessment Task Title:

Subject Name:

Class Teacher:

Received in the Library by:

Date: