

Year 12 – 2023/2024
MATHEMATICS STANDARD 2
D.GOUVOUSSIS



Task Number: 1
Weight: 25%

Notification Date: Tuesday 14th November 2023
Due Date: Thursday 14th December 2023
Must be handed in at the end of Period 2

OUTCOMES ASSESSED

- MS2-12-1** uses algebraic and graphical techniques to evaluate and construct arguments in a range of familiar and unfamiliar contexts.
- MS2-12-3** interprets the results of measurements and calculations and makes judgements about their reasonableness.
- MS2-12-4** analyses simple two-dimensional and three-dimensional models to solve practical problems.
- MS2-12-6** solves problems by representing the relationships between changing quantities in algebraic and graphical forms.
- MS2-12-8** solves problems using networks to model decision-making in practical problems.
- MS2-12-9** chooses and uses appropriate technology effectively in a range of contexts and applies critical thinking to recognise appropriate times and methods for such use.
- MS2-12-10** uses mathematical argument and reasoning to evaluate conclusions, communicating a position clearly to others and justifying a response.

TASK DESCRIPTION

Students will undertake a series of unseen questions related Rates and Ratios and Network Concepts.

TASK INSTRUCTION

Students will need to hand in their response at the end of the Period 2 on Thursday 14th December 2023. The topics being assessed are:

- Chapter 1 - Rates and Ratios
- Chapter 2 – Network Concepts

During the assessment task, students will not be able to interact with other students or utilise any technology other than a NESA approved scientific calculator. Mobile phones cannot be used as a calculator during the task.

Students may bring their class notes and coursework for use during the task. They will not be permitted to refer to or use any other materials including the textbook.

This is an in-class task. Students can prepare for the task by ensuring they are up to date with coursework, have worked examples for the different types of questions in their workbook, attempting end of chapter review questions and sought clarification from their teacher in class.

MARKING GUIDELINES

Marks will be allocated next to each question. Full marks cannot be achieved without showing working apart from 1-mark questions. The questions will be grouped into each topic area.

Task Mark	Task Rank	Cumulative Rank

Teacher's signature: _____

DP's signature: _____

Head Teacher's signature: _____