

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



Task Number: 4
Weight: 30%

Notification Date: Monday 24th June 2024
Due Date: Term 3 Week 3-4 2024
 As per examination timetable

OUTCOMES ASSESSED

- MS2-12-1** uses algebraic and graphical techniques to evaluate and construct arguments in a range of familiar and unfamiliar contexts.
- MS2-12-2** analyses representations of data in order to make predictions and draw conclusions.
- MS2-12-3** interprets the results of measurements and calculations and makes judgements about their reasonableness, including the degree of accuracy and the conversion of units where appropriate.
- MS2-12-4** analyses simple two-dimensional and three-dimensional models to solve practical problems.
- MS2-12-5** makes informed decisions about financial situations, including annuities and loan repayments.
- MS2-12-6** solves problems by representing the relationships between changing quantities in algebraic and graphical forms.
- MS2-12-7** solves problems requiring statistical processes, including the use of the normal distribution and the correlation of bivariate data.
- 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

This task is a formal examination and will involve students answering questions based around the course outcomes and topics involving algebra, measurement, networks, financial mathematics and statistical analysis. Students may need to problem solving, graph/tabulate, undertake mathematical calculations as well as using the NESA verbs to answer questions.

TASK INSTRUCTION

This task is a formal examination with length of **2.5 hours plus 5 minutes reading time**. Students will not be able to borrow any equipment during the examination. They will need to bring a pen, pencil, ruler, NESA approved calculator and an eraser. Students are not permitted to bring multi-functional drawing tools or unapproved NESA calculators or equipment. Refer to your Year 12 Assessment Schedule 2023/2024 booklet for examination terms and conditions.

MARKING GUIDELINES

This task is a formal examination with length **2.5 hours plus 5 minutes reading time**. Students will not be able to borrow any equipment during the examination. They will need to bring a pen, pencil, ruler, eraser and NESA approved calculator.

Task Mark	Task Rank	Cumulative Rank

Teacher's signature: _____

DP's signature: _____

Head Teacher's signature: _____