

# PICTON HIGH SCHOOL

Creating Opportunities Achieving Success



**Year: 12      Subject: Mathematics Standard 2**

<b>Due Date:</b> <b>Wednesday 27<sup>th</sup> March 2024</b>	<b>Assessment Name:</b> <b>Open book test</b>
<b>Mark/Grade:</b> <b>100</b>	<b>Weighting (if applicable):</b> <b>20%</b>

## **TASK DESCRIPTION:**

You are to complete the examination with the aid of one A4, back-to-back, handwritten reference sheet.

A formula sheet will be provided.

You will need a calculator, pen and ruler.

The topics to be assessed are:

- Chapter 5: Correlation and Regression
- Chapter 2: Ratio and Rates
- Chapter 7: Energy and Sustainability
- Chapter 9: Scales, Maps and Plans

## **SYLLABUS OUTCOMES TO BE ASSESSED:**

**MA2-12-3: 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

**MA2-12-7: Solves** problems requiring statistical processes, including the use of the normal distribution and the correlation of bivariate data

**MA2-12-9 chooses** and **uses** appropriate technology effectively in a range of contexts, and **applies** critical thinking to **recognise** appropriate times and methods for such use

**MA2-12-10 uses** mathematical argument and **reasoning** to evaluate conclusions, **communicating** a position clearly to others and **justifying** a response

## **DIRECTIVES TO BE ASSESSED:**

**Interprets:** To draw meaning from a mathematical situation.

**Makes:** To produce; cause to exist or happen; bring about

**Solve:** To manipulate something for a particular purpose to find the answer for mathematical problems.

**Use:** To manipulate something for a particular purpose to solve mathematical problems.

**Choose:** To select items or answer from a collection of values.

**Apply:** To use relevant information and skills for a given situation.

**Recognise:** To identify a mathematical relationship.

**Reasoning:** To use logical thinking to make sense of a situation or idea.

**Communicate:** To choose the correct way to give a mathematical answer.

**Communicate:** To choose the correct way to give a mathematical answer.

## **ASSESSMENT CRITERIA AND STUDENT CHECKLIST**

Have you:

- Revised all topics by completing relevant textbook exercises and past trial and HSC papers
- Written study notes that align with the syllabus documents
- Seek clarification from teachers on classwork and past assignments to achieve a deeper understanding of the course content.
- Read and understand the board approved formula sheet.