

PICTON HIGH SCHOOL

Creating Opportunities Achieving Success



YEAR 12 Mathematics Standard 2

Take-home Assessment and Sighted Test

Due Date: Thursday 20 th , February 2020 Period 3 (Week 4)	Assessment Name: Sighted Test
Mark: x/100	Weighting: 30 %
SYLLABUS OUTCOMES TO BE ASSESSED: 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 two-dimensional and three-dimensional models to solve practical problems MS2-12-5 makes informed decisions about financial situations, including annuities and loan repayments MS2-12-8 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 recognize 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	
DIRECTIVES TO BE ASSESSED: Analyses: To identify causes, key factors, relationships and possible results Choose: To select items or answer from a collection of values Make: To produce; cause to exist or happen; bring about Model: To give a representation of mathematical problem obtained. Represent: To show a general relationship that expresses similarities between objects. Solve: To manipulate something for a particular purpose to find the answer for mathematical problems. Use: Apply, utilise, employ in a particular situation.	
TASK DESCRIPTION: PART A (50%): You will complete a take-home assessment, covering all coursework studied in the Mathematics Standard 2 course so far. The take-home assessment will involve multiple-choice questions and extended response questions. You need to show all working out and submit your take-home assessment to your classroom teacher on the day of the examination. PART B (50%): You will complete a 60 minute in class test. You will be required to prepare for this test by completing the attached questions as a form of study/revision. The test questions will be based on the skills in your take-home assessment and comprise of multiple choice and extended response questions. You will be given a NESAs Board-Approved formulae sheet will be provided with your test paper. The topics assessed are: <ul style="list-style-type: none">• Networks N2: Networks• World locations and time M2: Measurement• Interest and depreciation F1, F4: Finance• Applications of mathematics<ul style="list-style-type: none">- Managing a home M1, F1: Measurement and Finance- Owning a car F1: Finance	

Recommended Equipment:

- ❖ Board approved scientific calculator
- ❖ Pens, ruler, pencils

ASSESSMENT CRITERIA – STUDENT CHECKLIST:

Have you:

- Revised the following topics, ensuring you have referenced syllabus documents:
 - Networks N2: Networks
 - World locations and time M2: Measurement
 - Interest and depreciation F1, F4: Financial Mathematics
 - Managing a home M1, F1: Measurement and Finance
 - Owning a car F1: Finance
- Completed ALL relevant chapters in the textbook
- Completed ALL the attached questions as a form of study/revision
- Asked your teacher for clarification/help with any work
- Attended the STEM Staffroom for help if needed