



## HSC Mathematics Advanced 2020

### Assessment Notification:

### HSC TASK 2 (Year 12)

**Task Date:** Term 1 Week 9 Wednesday 25/3/2020

Notification Date 05/3/2020

**The Task:** There are two components of the task.

Component 1 – In class test

Component 2 – Pre-prepared summary sheet.

Notes

You must prepare a pre-prepared summary sheet (3 marks). This is to be **hand-written on A4 paper** (both sides of the paper may be written on). This summary sheet **may be used in the in-class test**, and needs to be handed in for marking at the conclusion of the test.

The test will consist of some “seen” and some “unseen” or unfamiliar questions. The “seen” questions will come from the attached list of questions.

You will be provided with the NESA approved Reference sheet for Mathematics and Mathematics Extension 1, which you may use during the test.

You may use a scientific calculator for all sections of the test.

**Duration:** 1.5 hours plus 5 minutes Reading Time

**Assessment Weighting:** 25%

**Content:** MA-S2 Descriptive Statistics and Bivariate Data Analysis, MA-F2 Graphing Techniques, MA-T3 Trigonometric Functions and Graphs and Other topics as required.

**Outcomes** to be assessed include:

MA12-1 uses detailed algebraic and graphical techniques to critically construct, model and evaluate arguments in a range of familiar and unfamiliar contexts

MA12-5 applies the concepts and techniques of periodic functions in the solution of problems involving trigonometric graphs

MA12-8 solves problems using appropriate statistical processes

MA12-10 constructs arguments to prove and justify results and provides reasoning to support conclusions which are appropriate to the context

**Recommended preparation:**

Preparation of an A4 summary sheet – written on both sides.

Completion of the practice questions provided in the attached list. Note some of these will be in the test.

Chapter Reviews from the text book

HSC: Chapter 11, Chapter 12, Chapter 15 and Chapter 19.

Challenge exercises from the relevant Chapters in the text books.

Component 1 – In class test.

The in class test will be marked out of 50 marks.

This will include:

5 Multiple Choice Questions

Longer Response Questions (may be with multiple parts) – 45 marks per question.

Component 2 – A4 Summary sheet

The summary sheet will be awarded a mark out of 3.