



# MOUNT ANNAN HIGH SCHOOL

## ASSESSMENT TASK NOTIFICATION

|                             |  |                  |                      |             |    |
|-----------------------------|--|------------------|----------------------|-------------|----|
| <b>FACULTY</b>              | Mathematics                                | <b>COURSE</b>    | Mathematics Advanced | <b>YEAR</b> | 11 |
| <b>TASK NUMBER</b>          | 1  | <b>TASK NAME</b> | Topic test           |             |    |
| <b>TASK WEIGHT</b>          | 30%  |                  |                      |             |    |
| <b>DATE OF NOTIFICATION</b> | Thursday 4 <sup>th</sup> April 2024        |                  |                      |             |    |
| <b>DUE DATE</b>             | Period 1 Thursday 2 <sup>nd</sup> May 2024 |                  |                      |             |    |

### TASK DESCRIPTION / INSTRUCTIONS

Students will be sitting a in class topic test.

- Students are permitted to bring with them, one A4 page of handwritten double-sided notes.
- A reference sheet will also be provided.
- Students are permitted to bring a NESA approved calculator.
- Students are to write in blue or black pen.

Students will be assessed on their knowledge of the following topics:

- **Algebraic techniques**
  - Indices
  - Binomial expansion
  - Factorising monic and non-monic trinomials
  - Simplifying and operating with algebraic fractions
  - Simplifying and operating surds
  - Rationalising the denominator
- **Functions**
  - Identifying functions and relations
  - Domain and Range
  - Odd and even functions
  - Review of linear relationships – angle of inclination
  - Direct Variation
  - Parallel and perpendicular lines
  - Graphing quadratics:
    - Factorising
    - Completing the square
    - Quadratic formula / discriminant
  - Finding the equation of a quadratic
  - Simultaneous equations: linear and non-linear



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### OUTCOMES

**MA11-1:** uses algebraic and graphical techniques to solve, and where appropriate, compare alternative solutions to problems.

**MA11-2:** uses the concepts of functions and relations to model, analyse and solve practical problems.

**MA11-5:** interprets the meaning of the derivative, determines the derivative of functions and applies these to solve simple practical problems

**MA11-8:** uses appropriate technology to investigate, organise, model and interpret information in a range of contexts

**MA11-9:** provides reasoning to support conclusions which are appropriate to the context

### FAILURE TO COMPLETE OR SUBMIT AN ASSESSMENT TASK

If you do not attend school on the Due Date of an Assessment Task to submit or complete the task in person you will be given a zero mark unless you comply with the following Assessment Guidelines:

- For Assessment Task completed at home – you must submit the assessment task before school on the next day you attend.
- For Assessment Tasks completed at school – you must report to the relevant Head Teacher before school the next day you attend and discuss when you will complete task missed or a substitute task.
- Complete a 'Misadventure Form' and provide relevant information and evidence to appeal the **zero mark** awarded. Other circumstances are outlined in the MAHS Assessment Booklet for the particular year. Evidence may include an in person medical certificate for illness or a letter outlining extenuating circumstances or other deemed reasonable reasons. An outcome of your 'Misadventure Form' will be provided by the Deputy Principal.

Students found guilty of **malpractice** which includes plagiarism will be awarded a **zero mark**. If a piece of work is incomplete at the time of submission, it should be submitted as is, and you will be given a mark on what has been completed.

As per our school Assessment Procedures outlined in the MAHS Assessment Booklet for the particular year, you must see your teacher and Head Teacher on the **first day you return** back to school. Please access our school website to access our assessment procedures for each year group and a 'misadventure form' - <https://mountannan-h.schools.nsw.gov.au/community/assessment-schedules.html>