



Notice of Assessment Task
HSC Mathematics Extension 1
Task 1

Date of initial notification: 13/11/2023	Date of submission of task: 4/12/2023
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Teacher: Fracarossi	Task Number: 1
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Time Allowed: 3 weeks	Weighting of task: 20%
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Course Component/Focus area/topic/module: Proof by Induction Trigonometric Equations (Intro)

<p>Task Description: Take-home assignment and In-class demonstration</p> <p>There are two parts to this assessment task. The first part is a take-home assignment, and the second part is an in-class demonstration.</p> <p><u>Part 1: Take-home assignment (Sections 1 and 2)</u> Students will work on a set of provided questions over the three weeks and then submit their solutions on the due date. This work can be submitted either online (via OneNote or Microsoft Teams) or as a hard copy.</p> <p><u>Part 2: In-class demonstration (Section 3)</u> During the lesson, on Monday 4/12/23, students will be asked to replicate one induction question and one trigonometric equation question from their take-home assignment questions to demonstrate they have completed all their own work. They will have the first 20 mins of the lesson, from 3:00 pm to 3:20 pm, to complete the selected questions. The questions will be selected by the teacher and given to the students in the lesson. They will not be able to use their work as this would already be submitted by 3:00 pm and it is not open book. They will be provided a copy of the HSC reference sheet with their two selected questions.</p>

Outcomes/Competencies to be assessed in this task: ME12-1, ME12-3, ME12-7

Marking Criteria: Marks are allocated next to each question and the breakdown of these marks is provided at end of the take-home assignment attached.

Feedback: How will I receive feedback on this task?

Written (on OneNote)

Verbal

Whole class

Individual

- *If you are absent from school when an assessment task is due, you should provide documentary evidence on the day you return to school (e.g., medical certificate or other evidence of misadventure) to support your absence. In consultation with the Deputy Principal, the Head Teacher will arrange another time for you to complete the task, or an alternate task if deemed necessary.*
- *If you know that you will be unavoidably absent (such as representing the school on a sporting, cultural or educational representative duty – NOT family holidays) when an assessment task is due, the student must inform the relevant Head Teacher in advance. In consultation with the Deputy Principal, the Head Teacher will arrange another time for you to complete the task, or an alternate task if deemed necessary.*
- *In rare and exceptional circumstances, completion of the task or alternate task at another time may not be possible. In these rare instances, an estimate, based on your demonstrated learning against the relevant outcomes, will be given.*
- *Where a student does not provide valid documentation, as determined by the Head Teacher and Deputy Principal, then the student will receive ZERO mark for that task. However, the task must still be satisfactorily completed for the student to complete the course.*