YEAR 11 MATHEMATICS
ASSESSMENT TASK
TERM 2, WEEK 10, 2009

Date: Wednesday, 1ˢᵗ July **Marks: 100**
Time Allowed: 1 period **Weighting: 10%**

Outcomes Addressed

- Applies appropriate techniques form the study of trigonometry to solve problems.

Trigonometry

- Find the length of sides in a right angle using trigonometry.
- Find the size of an angle in a right angle using trigonometry.
- Solve problems involving angles of elevation and depression or bearings.
- Use the exact ratios.
- Use the Sine Rule, Cosine Rule and Area Formula.
- Given one trigonometric ratio to find others.
- Simplify trigonometric expressions using trigonometric identities.
- Solve trigonometric equations.

Instructions

- Attempt all questions
- Show all necessary working
- Write in blue pen, black pen or dark pencil
- Approved calculators may be used

NOTE:

- Students who do not achieve the outcome (less than 39%) in this assessment task will receive an 'Official Warning' – non completion of the HSC course.

- Students will be required to re-sit the task within 7 days.

- Students will be given 2 further opportunities to achieve the required outcome.

- Failure to achieve the outcome may result in the student receiving an 'N' determination.