

Coonabarabran High School



Year 10 Mathematics

Assessment Task #2 Notification

Half Yearly Examination.

Date of Task: Week 6 2021

Value of Assessment Task: 20% of course.

Test Duration: 1.5 hours + 5 minutes Reading Time

Notification Date: Week 4, Term 2, 2021

Topics:

1. Part 1: Common – All Year 10

- Review of Year 9 Work
- Required Year 10 Numeracy Skills: Fractions, Decimals, Percentages, Basic Algebra, and Indices
- Common questions : Financial Maths, Co-ordinate Geometry, Measurement, Algebra

2. Part 2:

- **10M1 (Stage 5.1/5.2/5.3):** Interest and Depreciation, Surface Area and Volume, Co-ordinate Geometry, Congruent and Similar Figures, Products and Factors.
- **10M2/10M3 (Stage 5.1/5.2):** Interest and Depreciation, Co-ordinate Geometry, Surface Area and Volume, Algebra.

Assessment Format: Test – to be held in the Hall

Test Requirements:

- *Standard scientific **calculators permitted***
- *All working must be done on the test paper*
- *All workings must be shown to be awarded full marks*

Outcomes Addressed:

NSW Learning Outcomes (5.3/5.2/5.1): Some of the following outcomes will be examined:

- **NS5.1.2** Solves consumer arithmetic problems involving earning and spending money
- **NS5.2.2** Solves consumer arithmetic problems involving compound interest, depreciation and successive discounts
- **Working Mathematically:** WMS5.1.2, WMS5.1.3, WMS5.2.2, WMS5.2.3, WMS5.2.4, WMS5.3.1, WMS5.3.5, WMS5.3.5, WMS5.3.2 and WMS5.3.3
- **PAS 5.2.1** Simplifies, expands and factorises algebraic expressions involving fractions and negative and fractional indices.
- **MS5.2.1** Perimeter and Area – Finds areas and perimeters of composite figures.
- **MS 5.2.2** Surface Area and Volume – Applies formulae to find the surface area of right cylinders and volume of right pyramids, cones and spheres, and calculates the surface area and volume of composite solids.
- **PAS5.2.3** Coordinate Geometry – Uses formulae to find midpoint, distance and gradient.

Preparation:

You will be provided with a formula sheet. The formula sheet is attached to this notification. **Make sure you are familiar** with the formula sheet.

It is recommended that you prepare a summary sheet/s. However, you will not be allowed to take them in to the examination this time.

Complete chapter reviews if you have been issued with a text book.

Look over past topic tests and exams that have been returned to you.

Complete all revision activities/ sheets that are provided to you by your class teacher.