



GENERAL MATHEMATICS (UNITS 1&2) (YEAR 11) • PRACTICE ASSIGNMENT

Algebra and Networks Practice

ALGEBRA AND STRUCTURE EASY

Work through each question in order. Show your working in the space provided where it helps — there's no time limit, just do your best.

- 1

Simplify: $3(2a - 5) + 4a$.
- 2

Express 0.375 as a fraction in simplest form.
- 3

A graph has 5 vertices; each has degree 3 except one with degree 2. Find the total number of edges.
- 4

Find the length of the hypotenuse of a right triangle with legs 9cm and 12cm.
- 5

Find the gradient and y-intercept of the line $y = 3x - 7$.
- 6

A data set has values 4, 8, 6, 10, 12. Calculate the mean and median.

TEACHER'S REMARKS

Score: _____ / 6