



MATHS (YEAR 8) • PRACTICE ASSIGNMENT

# Expanding and Solving Practice

ALGEBRA MEDIUM

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

Expand and simplify:  $(x + 4)(x - 3)$ .
- 2

Solve the equation:  $5(x - 2) = 3x + 4$ .
- 3

Find the surface area of a cube with side length 6cm.
- 4

A triangle has angles of  $55^\circ$  and  $65^\circ$ . Find the third angle and classify the triangle.
- 5

Find the range and median of: 12, 15, 9, 20, 11, 15, 18.
- 6

A letter is chosen at random from the word MATHEMATICS. Find the probability it is a vowel.

TEACHER'S REMARKS

Score: \_\_\_\_\_ / 6