

**YEAR 10**

Expanding and Factorising

Expanding and factorising are opposites of each other. Check any factorisation by expanding it back out.

Name: _____

Date: _____

Score: _____

Section A · Expanding double brackets

Multiply every term in the first bracket by every term in the second.

1 $(x + 3)(x + 4)$

2 $(x + 5)(x - 2)$

3 $(x - 3)(x - 6)$

4 $(2x + 1)(x + 3)$

Section B · Factorising

Look for a common factor first, then a pair of numbers that multiply and add correctly.

1 $x^2 + 7x + 10$

2 $x^2 - x - 12$

3 $x^2 - 16$

4 $6x + 9$

5 $x^2 + 9x + 20$
