

## Expansions & Factorisation

1. Expand  $(2x - 5)(x - 3)$

2. Factorise  $3x(4 - y) - m(y - 4)$

3. Factorise the expression  $x(a - c) + y(c - a)$

4. Factorise  $m(2a - b) - 2n(b - 2a)$

5. Factorise  $32x^3 - 8xy^2$

6. Factorise  $27p^2x^2 - 48y^2$

1. Expand  $(2x - 5)(x - 3)$

$$2x^2 - 11x + 15$$

2. Factorise  $3x(4 - y) - m(y - 4)$

$$(3x + m)(4 - y)$$

3. Factorise the expression  $x(a - c) + y(c - a)$

$$(a - c)(x - y)$$

4. Factorise  $m(2a - b) - 2n(b - 2a)$

$$(2a - b)(m + 2n)$$

5. Factorise  $32x^3 - 8xy^2$

$$8x(2x + y)(2x - y)$$

6. Factorise  $27p^2x^2 - 48y^2$

$$3(3px - 4y)(3px + 4y)$$