

Ex1

Expanding and simplify the following,

$$(x^2 + 5x + 2)(x + 2)$$

Ex2

Expanding and simplify the following,

$$(x^2 - 2x + 1)(x - 5)$$

Q1

Expand the following double brackets.

[a] $(x^2 + 4x + 3)(x + 1)$ **[f]** $(x^2 + 5x + 2)(x - 3)$

[b] $(x^2 + x - 2)(x + 2)$ **[g]** $(x^2 - 7x + 4)(x + 6)$

[c] $(x^2 + 6x - 5)(x - 3)$ **[h]** $(3x^2 + 4x - 1)(x - 1)$

[d] $(x^2 - 3x + 1)(x - 1)$ **[i]** $(4x^2 - 2x + 3)(x - 2)$

[e] $(x^2 + 2x + 2)(x + 2)$ **[j]** $(2x^2 - x - 3)(x - 4)$

Q2

Expand the following double brackets.

[a] $(x^2 - 3x + 2)(x^2 + 2x + 4)$

[b] $(x^2 + 5x - 1)(x^2 + x - 2)$

[c] $(x^2 - 6x + 2)(x^2 - 3x + 1)$

[d] $(2x^2 - x - 1)(x^2 + 2x - 1)$