

Recap

Expanding Trinomials

Ex 1

$$(x+4)(x+2)(x+5)$$

$$(x+4)(x+2)$$

$$= x^2 + 4x + 2x + 8$$

$$= x^2 + 6x + 8$$

$$(x^2 + 6x + 8)(x+5)$$

$$= x^3 + 6x^2 + 8x$$

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$$+ 5x^2 + 30x + 40$$

$$= x^3 + 11x^2 + 38x + 40$$

Ex 2

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

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

$$= 2x^2 - x + 6x - 3$$

$$= 2x^2 + 5x - 3$$

$$(2x^2 + 5x - 3)(3x-2)$$

$$= 6x^3 + 15x^2 - 9x$$

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$$- 4x^2 - 10x + 6$$

$$= 6x^3 + 11x^2 - 19x + 6$$