



## Factorisation de polynômes cubiques

Nom: \_\_\_\_\_

Date: \_\_\_\_\_ Note: \_\_\_\_\_

$$64x^3 + 720x^2 + 1377x + 729$$

$$40x^3 + 197x^2 - 43x - 140$$

$$x^3 + 8x^2 + 15x + 56$$

$$x^3 - 2x^2 - 49x + 98$$

$$7x^2 + 49x$$

$$7x^2 - 49x$$

$$4x^2 + 16x$$

$$48x^3 + 398x^2 + 63x - 392$$

$$x^3 + 16x^2 + 84x + 144$$

$$9x^2 + 81x$$



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$$64x^3 + 720x^2 + 1377x + 729$$
$$(8x + 9)(x + 9)(8x + 9)$$

$$40x^3 + 197x^2 - 43x - 140$$
$$(8x - 7)(x + 5)(5x + 4)$$

$$x^3 + 8x^2 + 15x + 56$$
$$(x + 7)(x^2 + x + 8)$$

$$x^3 - 2x^2 - 49x + 98$$
$$(x + 7)(x - 2)(x - 7)$$

$$7x^2 + 49x$$
$$7x(x + 7)$$

$$7x^2 - 49x$$
$$7x(x - 7)$$

$$4x^2 + 16x$$
$$4x(x + 4)$$

$$48x^3 + 398x^2 + 63x - 392$$
$$(6x + 7)(x + 8)(8x - 7)$$

$$x^3 + 16x^2 + 84x + 144$$
$$(x + 6)(x + 6)(x + 4)$$

$$9x^2 + 81x$$
$$9x(x + 9)$$