



Factoring Cubics

Name: _____

Date: _____ Score: _____

$$x^3 - 3x^2 - x + 3$$

$$x^3 - 6x^2 + 8x - 15$$

$$5x^2 + 25x$$

$$9x^2 - 81x$$

$$72x^3 + 73x^2 - 73x - 72$$

$$49x^3 + 343x^2 + 538x + 240$$

$$3x^2 - 9x$$

$$x^3 + 6x^2 + 17x + 36$$

$$18x^3 + 15x^2 - 97x + 60$$

$$3x^2 + 9x$$



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

$$x^3 - 6x^2 + 8x - 15$$
$$(x - 5)(x^2 - x + 3)$$

$$5x^2 + 25x$$
$$5x(x + 5)$$

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

$$72x^3 + 73x^2 - 73x - 72$$
$$(8x + 9)(x - 1)(9x + 8)$$

$$49x^3 + 343x^2 + 538x + 240$$
$$(7x + 6)(x + 5)(7x + 8)$$

$$3x^2 - 9x$$
$$3x(x - 3)$$

$$x^3 + 6x^2 + 17x + 36$$
$$(x + 4)(x^2 + 2x + 9)$$

$$18x^3 + 15x^2 - 97x + 60$$
$$(3x - 4)(x + 3)(6x - 5)$$

$$3x^2 + 9x$$
$$3x(x + 3)$$