



Factoring Cubics

Name: _____

Date: _____ Score: _____

$$x^3 + 4x^2 + 5x + 6$$

$$35x^3 + 163x^2 + 198x + 72$$

$$x^3 + 16x^2 + 73x + 90$$

$$x^3 + 7x^2 + 14x + 20$$

$$x^3 + 4x^2 - 81x - 324$$

$$30x^3 - 151x^2 - 385x - 196$$

$$24x^3 + 91x^2 - 56x - 144$$

$$x^3 + 14x^2 + 61x + 84$$

$$25x^3 + 260x^2 + 516x + 288$$

$$9x^2 + 81x$$



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$$x^3 + 4x^2 + 5x + 6$$
$$(x + 3)(x^2 + x + 2)$$

$$35x^3 + 163x^2 + 198x + 72$$
$$(5x + 4)(x + 3)(7x + 6)$$

$$x^3 + 16x^2 + 73x + 90$$
$$(x + 9)(x + 2)(x + 5)$$

$$x^3 + 7x^2 + 14x + 20$$
$$(x + 5)(x^2 + 2x + 4)$$

$$x^3 + 4x^2 - 81x - 324$$
$$(x - 9)(x + 9)(x + 4)$$

$$30x^3 - 151x^2 - 385x - 196$$
$$(6x + 7)(x - 7)(5x + 4)$$

$$24x^3 + 91x^2 - 56x - 144$$
$$(3x - 4)(x + 4)(8x + 9)$$

$$x^3 + 14x^2 + 61x + 84$$
$$(x + 4)(x + 7)(x + 3)$$

$$25x^3 + 260x^2 + 516x + 288$$
$$(5x + 6)(x + 8)(5x + 6)$$

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