



Factoring Cubics

Name: _____

Date: _____ Score: _____

$$x^3 - 10x^2 + 3x + 126$$

$$x^3 - 5x^2 + 7x - 3$$

$$36x^3 + 203x^2 - 108x - 180$$

$$35x^3 - 23x^2 - 44x + 32$$

$$9x^2 + 81x$$

$$x^3 - 3x^2 + 7x - 5$$

$$x^3 + 5x^2 + 7x + 12$$

$$20x^3 + 19x^2 - 13x - 12$$

$$x^3 + 8x^2 + 10x + 21$$

$$2x^2 + 4x$$



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$$x^3 - 10x^2 + 3x + 126$$
$$(x + 3)(x - 7)(x - 6)$$

$$x^3 - 5x^2 + 7x - 3$$
$$(x - 3)(x - 1)(x - 1)$$

$$36x^3 + 203x^2 - 108x - 180$$
$$(4x + 3)(x + 6)(9x - 10)$$

$$35x^3 - 23x^2 - 44x + 32$$
$$(7x + 8)(x - 1)(5x - 4)$$

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

$$x^3 - 3x^2 + 7x - 5$$
$$(x - 1)(x^2 - 2x + 5)$$

$$x^3 + 5x^2 + 7x + 12$$
$$(x + 4)(x^2 + x + 3)$$

$$20x^3 + 19x^2 - 13x - 12$$
$$(4x + 3)(x + 1)(5x - 4)$$

$$x^3 + 8x^2 + 10x + 21$$
$$(x + 7)(x^2 + x + 3)$$

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