



Factoring Cubics

Name: _____

Date: _____ Score: _____

$$x^3 - 7x^2 + 12x - 36$$

$$x^3 - 3x^2 - 18x + 40$$

$$x^3 - 19x^2 + 120x - 252$$

$$6x^2 + 36x$$

$$18x^3 - 115x^2 + 196x - 96$$

$$x^3 - 14x^2 + 39x + 54$$

$$x^3 - 2x^2 - 11x + 12$$

$$6x^2 + 36x$$

$$x^3 + 5x - 18$$

$$x^3 + 3x - 4$$



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$$x^3 - 7x^2 + 12x - 36$$
$$(x - 6)(x^2 - x + 6)$$

$$x^3 - 3x^2 - 18x + 40$$
$$(x + 4)(x - 2)(x - 5)$$

$$x^3 - 19x^2 + 120x - 252$$
$$(x - 6)(x - 6)(x - 7)$$

$$6x^2 + 36x$$
$$6x(x + 6)$$

$$18x^3 - 115x^2 + 196x - 96$$
$$(2x - 3)(x - 4)(9x - 8)$$

$$x^3 - 14x^2 + 39x + 54$$
$$(x - 6)(x + 1)(x - 9)$$

$$x^3 - 2x^2 - 11x + 12$$
$$(x + 3)(x - 1)(x - 4)$$

$$6x^2 + 36x$$
$$6x(x + 6)$$

$$x^3 + 5x - 18$$
$$(x - 2)(x^2 + 2x + 9)$$

$$x^3 + 3x - 4$$
$$(x - 1)(x^2 + x + 4)$$