



## Factoring Cubics

Name: \_\_\_\_\_

Date: \_\_\_\_\_ Score: \_\_\_\_\_

$$x^3 - 18x^2 + 99x - 162$$

$$x^3 - 39x + 70$$

$$x^3 + 9x^2 + 6x - 16$$

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

$$72x^3 + 343x^2 + 437x + 168$$

$$x^3 - 7x^2 - 15x - 27$$

$$x^3 - 10x^2 + 23x - 14$$

$$7x^2 + 49x$$

$$x^3 + 12x^2 - 27x - 486$$

$$x^3 - 4x^2 - 11x + 30$$



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Name: \_\_\_\_\_

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$$x^3 - 18x^2 + 99x - 162$$
$$(x - 6)(x - 9)(x - 3)$$

$$x^3 - 39x + 70$$
$$(x + 7)(x - 5)(x - 2)$$

$$x^3 + 9x^2 + 6x - 16$$
$$(x + 8)(x + 2)(x - 1)$$

$$x^3 - 2x^2 + 3x - 18$$
$$(x - 3)(x^2 + x + 6)$$

$$72x^3 + 343x^2 + 437x + 168$$
$$(8x + 7)(x + 3)(9x + 8)$$

$$x^3 - 7x^2 - 15x - 27$$
$$(x - 9)(x^2 + 2x + 3)$$

$$x^3 - 10x^2 + 23x - 14$$
$$(x - 2)(x - 1)(x - 7)$$

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

$$x^3 + 12x^2 - 27x - 486$$
$$(x + 9)(x - 6)(x + 9)$$

$$x^3 - 4x^2 - 11x + 30$$
$$(x - 5)(x - 2)(x + 3)$$