



Factoring Cubics

Name: _____

Date: _____ Score: _____

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

$$x^3 - 17x^2 + 79x - 63$$

$$x^3 - 3x^2 + 4x - 32$$

$$x^3 - 11x^2 + 34x - 24$$

$$16x^3 - 22x^2 - 17x + 21$$

$$x^3 - 9x^2 + 16x - 64$$

$$x^3 + 7x^2 - 16x - 112$$

$$56x^3 + 377x^2 - 159x - 378$$

$$x^3 - 2x^2 - 71x + 252$$

$$x^2 - x$$



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

$$x^3 - 17x^2 + 79x - 63$$
$$(x - 7)(x - 9)(x - 1)$$

$$x^3 - 3x^2 + 4x - 32$$
$$(x - 4)(x^2 + x + 8)$$

$$x^3 - 11x^2 + 34x - 24$$
$$(x - 4)(x - 1)(x - 6)$$

$$16x^3 - 22x^2 - 17x + 21$$
$$(8x - 7)(x + 1)(2x - 3)$$

$$x^3 - 9x^2 + 16x - 64$$
$$(x - 8)(x^2 - x + 8)$$

$$x^3 + 7x^2 - 16x - 112$$
$$(x + 7)(x + 4)(x - 4)$$

$$56x^3 + 377x^2 - 159x - 378$$
$$(7x + 6)(x + 7)(8x - 9)$$

$$x^3 - 2x^2 - 71x + 252$$
$$(x - 7)(x + 9)(x - 4)$$

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