



Factoring Cubics

Name: _____

Date: _____ Score: _____

$$x^3 - 16x^2 + 76x - 96$$

$$x^3 + 6x + 7$$

$$54x^3 + 591x^2 + 995x + 450$$

$$12x^3 + 16x^2 - 53x + 21$$

$$x^3 - 7x^2 + 13x - 42$$

$$3x^2 - 9x$$

$$5x^2 - 25x$$

$$9x^2 - 81x$$

$$x^3 + 5x^2 - 78x - 432$$

$$32x^3 - 100x^2 + 103x - 35$$



Factoring Cubics

Name: _____

Date: _____ Score: _____

$$x^3 - 16x^2 + 76x - 96$$
$$(x - 2)(x - 8)(x - 6)$$

$$x^3 + 6x + 7$$
$$(x + 1)(x^2 - x + 7)$$

$$54x^3 + 591x^2 + 995x + 450$$
$$(9x + 10)(x + 9)(6x + 5)$$

$$12x^3 + 16x^2 - 53x + 21$$
$$(6x - 7)(x + 3)(2x - 1)$$

$$x^3 - 7x^2 + 13x - 42$$
$$(x - 6)(x^2 - x + 7)$$

$$3x^2 - 9x$$
$$3x(x - 3)$$

$$5x^2 - 25x$$
$$5x(x - 5)$$

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

$$x^3 + 5x^2 - 78x - 432$$
$$(x - 9)(x + 8)(x + 6)$$

$$32x^3 - 100x^2 + 103x - 35$$
$$(4x - 5)(x - 1)(8x - 7)$$