



## Factoring Cubics

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

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

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

$$x^3 - 4x^2 + 6x - 9$$

$$x^3 - 5x^2 + 10x - 24$$

$$x^3 + 23x^2 + 176x + 448$$

$$6x^2 - 36x$$

$$x^3 + 5x^2 + 12x + 18$$

$$3x^2 - 9x$$

$$36x^3 - 109x + 70$$

$$2x^2 + 4x$$

$$56x^3 + 55x^2 - 43x - 42$$



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

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

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

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

$$x^3 - 4x^2 + 6x - 9$$

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

$$x^3 - 5x^2 + 10x - 24$$

$$(x - 4)(x^2 - x + 6)$$

$$x^3 + 23x^2 + 176x + 448$$

$$(x + 7)(x + 8)(x + 8)$$

$$6x^2 - 36x$$

$$6x(x - 6)$$

$$x^3 + 5x^2 + 12x + 18$$

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

$$3x^2 - 9x$$

$$3x(x - 3)$$

$$36x^3 - 109x + 70$$

$$(6x - 7)(x + 2)(6x - 5)$$

$$2x^2 + 4x$$

$$2x(x + 2)$$

$$56x^3 + 55x^2 - 43x - 42$$

$$(7x + 6)(x + 1)(8x - 7)$$