



## Factoring Cubics

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

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

$$x^3 + 3x^2 + 7x + 5$$

$$x^3 + 7x^2 + 10x + 24$$

$$28x^3 - 171x^2 - 22x + 240$$

$$2x^2 + 4x$$

$$8x^3 + 54x^2 - 29x - 105$$

$$x^3 - 3x^2 + 10x - 16$$

$$x^3 + 3x^2 - 8x + 10$$

$$54x^3 + 159x^2 - 49x - 120$$

$$x^3 + 8x^2 + 15x + 56$$

$$x^3 - 6x^2 + 9x - 20$$



## Factoring Cubics

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

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

$$x^3 + 3x^2 + 7x + 5$$
$$(x + 1)(x^2 + 2x + 5)$$

$$x^3 + 7x^2 + 10x + 24$$
$$(x + 6)(x^2 + x + 4)$$

$$28x^3 - 171x^2 - 22x + 240$$
$$(4x - 5)(x - 6)(7x + 8)$$

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

$$8x^3 + 54x^2 - 29x - 105$$
$$(4x + 5)(x + 7)(2x - 3)$$

$$x^3 - 3x^2 + 10x - 16$$
$$(x - 2)(x^2 - x + 8)$$

$$x^3 + 3x^2 - 8x + 10$$
$$(x + 5)(x^2 - 2x + 2)$$

$$54x^3 + 159x^2 - 49x - 120$$
$$(6x + 5)(x + 3)(9x - 8)$$

$$x^3 + 8x^2 + 15x + 56$$
$$(x + 7)(x^2 + x + 8)$$

$$x^3 - 6x^2 + 9x - 20$$
$$(x - 5)(x^2 - x + 4)$$