



StudentName: _____

ExamDate: _____ ExamScore: _____

$$x^3 - 4x^2 + 4x - 45$$

$$x^3 - 16x^2 + 75x - 108$$

$$72x^3 + 575x^2 - 98x - 720$$

$$x^3 + 2x^2 - 43x - 140$$

$$x^3 - 7x^2 + 12x - 36$$

$$4x^3 - 13x^2 - 60x - 36$$

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

$$x^3 + 3x^2 - 40x - 84$$

$$x^3 - 6x^2 + 11x - 30$$

$$x^3 + x^2 - 52x - 160$$



StudentName: _____

ExamDate: _____ ExamScore: _____

$$x^3 - 4x^2 + 4x - 45$$
$$(x - 5)(x^2 + x + 9)$$

$$x^3 - 16x^2 + 75x - 108$$
$$(x - 9)(x - 3)(x - 4)$$

$$72x^3 + 575x^2 - 98x - 720$$
$$(9x + 10)(x + 8)(8x - 9)$$

$$x^3 + 2x^2 - 43x - 140$$
$$(x + 4)(x - 7)(x + 5)$$

$$x^3 - 7x^2 + 12x - 36$$
$$(x - 6)(x^2 - x + 6)$$

$$4x^3 - 13x^2 - 60x - 36$$
$$(4x + 3)(x - 6)(x + 2)$$

$$x^3 + 8x^2 - x - 8$$
$$(x + 1)(x - 1)(x + 8)$$

$$x^3 + 3x^2 - 40x - 84$$
$$(x - 6)(x + 2)(x + 7)$$

$$x^3 - 6x^2 + 11x - 30$$
$$(x - 5)(x^2 - x + 6)$$

$$x^3 + x^2 - 52x - 160$$
$$(x + 5)(x - 8)(x + 4)$$