



StudentName: _____

ExamDate: _____ ExamScore: _____

$$x^3 + 3x^2 - 46x + 72$$

$$x^3 - 6x^2 - 11x - 40$$

$$8x^3 - 38x^2 + 15x + 36$$

$$5x^2 + 25x$$

$$x^3 - 7x^2 + x - 72$$

$$7x^3 + 34x^2 - 48x$$

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

$$9x^3 - 62x^2 + 48x$$

$$8x^3 - 18x^2 + 13x - 3$$

$$6x^2 - 36x$$



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$$x^3 + 3x^2 - 46x + 72$$
$$(x + 9)(x - 4)(x - 2)$$

$$x^3 - 6x^2 - 11x - 40$$
$$(x - 8)(x^2 + 2x + 5)$$

$$8x^3 - 38x^2 + 15x + 36$$
$$(2x - 3)(x - 4)(4x + 3)$$

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

$$x^3 - 7x^2 + x - 72$$
$$(x - 8)(x^2 + x + 9)$$

$$7x^3 + 34x^2 - 48x$$
$$x(x + 6)(7x - 8)$$

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

$$9x^3 - 62x^2 + 48x$$
$$(9x - 8)(x - 6)x$$

$$8x^3 - 18x^2 + 13x - 3$$
$$(4x - 3)(x - 1)(2x - 1)$$

$$6x^2 - 36x$$
$$6x(x - 6)$$