StudentName: _____   ExamDate: _____ ExamScore: ____

$x^3 - 2x^2 - 3x - 20$ $5x^2 - 25x$

$x^3 - 3x^2 - 64x + 192$ $8x^2 + 64x$

$x^3 + 3x^2 - 6x + 20$ $x^3 - 11x^2 + 16x + 84$

$x^3 - 4x^2 + 10x - 12$ $x^3 - 2x^2 - 71x + 72$

$7x^2 + 49x$ $x^3 + 13x^2 + 31x - 45$

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$x^3 - 2x^2 - 3x - 20$

$(x - 4)(x^2 + 2x + 5)$

$5x^2 - 25x$

$5x(x - 5)$

$x^3 - 3x^2 - 64x + 192$

$(x + 8)(x - 3)(x - 8)$

$8x^2 + 64x$

$8x(x + 8)$

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

$(x + 5)(x^2 - 2x + 4)$

$x^3 - 11x^2 + 16x + 84$

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

$x^3 - 4x^2 + 10x - 12$

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

$x^3 - 2x^2 - 71x + 72$

$(x - 9)(x + 8)(x - 1)$

$7x^2 + 49x$

$7x(x + 7)$

$x^3 + 13x^2 + 31x - 45$

$(x - 1)(x + 9)(x + 5)$