



Nome: _____

Encontro: Data: _____ Pontuação: _____

$$x^3 + 11x^2 - 4x - 224$$

$$x^3 + 19x^2 + 114x + 216$$

$$x^3 - 7x^2 + 19x - 45$$

$$48x^3 - 350x^2 + 613x - 315$$

$$x^3 - 9x^2 + 24x - 16$$

$$9x^3 + 75x^2 - 62x - 72$$

$$36x^3 - 72x^2 - 49x + 98$$

$$x^3 - 5x^2 + 2x - 48$$

$$x^2 - x$$

$$x^3 + 2x^2 + 5x + 4$$



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$$x^3 + 11x^2 - 4x - 224$$
$$(x - 4)(x + 7)(x + 8)$$

$$x^3 + 19x^2 + 114x + 216$$
$$(x + 6)(x + 4)(x + 9)$$

$$x^3 - 7x^2 + 19x - 45$$
$$(x - 5)(x^2 - 2x + 9)$$

$$48x^3 - 350x^2 + 613x - 315$$
$$(6x - 7)(x - 5)(8x - 9)$$

$$x^3 - 9x^2 + 24x - 16$$
$$(x - 1)(x - 4)(x - 4)$$

$$9x^3 + 75x^2 - 62x - 72$$
$$(3x - 4)(x + 9)(3x + 2)$$

$$36x^3 - 72x^2 - 49x + 98$$
$$(6x + 7)(x - 2)(6x - 7)$$

$$x^3 - 5x^2 + 2x - 48$$
$$(x - 6)(x^2 + x + 8)$$

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

$$x^3 + 2x^2 + 5x + 4$$
$$(x + 1)(x^2 + x + 4)$$