



Simplifying Polynomials

Name: _____

Date: _____ Score: _____

$$4(9x^3 - 4x^2) - 8x^3 + 6x - 2x^3$$

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

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

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

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

$$5x^2 + x + 3x^3 + 7x^3 + 8x^2$$

$$8x + 6x - 3(4x^3 + x^3) + 9x$$

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

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

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



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$$4(9x^3 - 4x^2) - 8x^3 + 6x - 2x^3$$
$$26x^3 - 16x^2 + 6x$$

$$4(4x + 2x^3) - 2x^2 - 9x + 2x$$
$$8x^3 - 2x^2 + 9x$$

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

$$5x^2 + 3x + x^3 - 4(x^3 - 3x^2)$$
$$-3x^3 + 17x^2 + 3x$$

$$8x^3 + 9x^3 + 2x - 2(2x^2 - 3x)$$
$$17x^3 - 4x^2 + 8x$$

$$5x^2 + x + 3x^3 + 7x^3 + 8x^2$$
$$10x^3 + 13x^2 + x$$

$$8x + 6x - 3(4x^3 + x^3) + 9x$$
$$-15x^3 + 23x$$

$$x^3 - 7x + 2(9x^2 - x^2) + 9x$$
$$x^3 + 16x^2 + 2x$$

$$4x - 9x^3 - 4x^3 + 2(6x^3 + 3x)$$
$$-x^3 + 10x$$

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