



Simplifying Polynomials

Name: _____

Date: _____ Score: _____

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

$$2x^3 + 5x - 2x^3 + 2(3x^3 + 7x^3)$$

$$2x^3 + 3x^3 + 4(9x^3 + 7x^3) - 9x$$

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

$$8x + 6x^3 + 2x^3 + 7x^3 + 6x^3$$

$$7x + 5x^2 + 2(7x^3 - x) + 3x$$

$$4x^3 + 7x^2 - 2(5x^2 - 7x) - 8x$$

$$6x^3 + 2x^2 + 6x^2 + 4(x - 5x^3)$$

$$7x^3 - 7x^2 + 6x - 4(6x^3 - x^3)$$

$$8x^2 + 9x^2 + 5x^2 - 2(2x - 5x)$$



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$$x^3 + 3x - 3x^3 + 2(7x^3 + x^3)$$
$$14x^3 + 3x$$

$$2x^3 + 5x - 2x^3 + 2(3x^3 + 7x^3)$$
$$20x^3 + 5x$$

$$2x^3 + 3x^3 + 4(9x^3 + 7x^3) - 9x$$
$$69x^3 - 9x$$

$$8x^2 + x^3 + 4x^3 - 2(9x^3 + 9x)$$
$$-13x^3 + 8x^2 - 18x$$

$$8x + 6x^3 + 2x^3 + 7x^3 + 6x^3$$
$$21x^3 + 8x$$

$$7x + 5x^2 + 2(7x^3 - x) + 3x$$
$$14x^3 + 5x^2 + 8x$$

$$4x^3 + 7x^2 - 2(5x^2 - 7x) - 8x$$
$$4x^3 - 3x^2 + 6x$$

$$6x^3 + 2x^2 + 6x^2 + 4(x - 5x^3)$$
$$-14x^3 + 8x^2 + 4x$$

$$7x^3 - 7x^2 + 6x - 4(6x^3 - x^3)$$
$$-13x^3 - 7x^2 + 6x$$

$$8x^2 + 9x^2 + 5x^2 - 2(2x - 5x)$$
$$22x^2 + 6x$$