



## Simplifying Polynomials

Name: \_\_\_\_\_

Date: \_\_\_\_\_ Score: \_\_\_\_\_

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

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

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

$$9x^2 + 5x^2 + 4(8x^3 - 9x^2) + 7x^2$$

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

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

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

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

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

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



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$$3x + 8x^2 - 3(8x^3 - 2x) - 4x^2$$
$$-24x^3 + 4x^2 + 9x$$

$$4(5x^3 - 6x^3) + 4x + x^3 + 5x$$
$$-3x^3 + 9x$$

$$3(7x^3 - 4x) - x + 2x - 9x^2$$
$$21x^3 - 9x^2 - 11x$$

$$9x^2 + 5x^2 + 4(8x^3 - 9x^2) + 7x^2$$
$$32x^3 - 15x^2$$

$$9x - 7x^3 - 3(3x - 7x^2) + 5x$$
$$-7x^3 + 21x^2 + 5x$$

$$2(4x - 7x^2) + 7x + x - 5x$$
$$-14x^2 + 11x$$

$$3(x^2 + 6x^3) + 5x^3 - 5x^3 + 4x$$
$$18x^3 + 3x^2 + 4x$$

$$2x^2 + 9x + 3(2x + 4x^2) - 2x^3$$
$$-2x^3 + 14x^2 + 15x$$

$$2x^3 - 4x^2 - 6x^3 - 6x^3 - x^3$$
$$-11x^3 - 4x^2$$

$$6x^3 - x^2 + 4(3x^2 + 3x^3) - 5x$$
$$18x^3 + 11x^2 - 5x$$