



## Simplifying Polynomials

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

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

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

$$8x^3 - 7x + 7x + 3(8x - 8x)$$

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

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

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

$$9x + 8x^3 + 8x^2 + 3(8x + 5x^3)$$

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

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

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

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



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$$2(4x + x) + 4x^3 + 7x^3 + 4x$$
$$11x^3 + 14x$$

$$8x^3 - 7x + 7x + 3(8x - 8x)$$
$$8x^3$$

$$8x + 8x + 2(4x^2 - 4x^3) + 7x^2$$
$$-8x^3 + 15x^2 + 16x$$

$$8x^3 + 7x^2 - 9x^3 - 2(2x^2 + 8x)$$
$$-x^3 + 3x^2 - 16x$$

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

$$9x + 8x^3 + 8x^2 + 3(8x + 5x^3)$$
$$23x^3 + 8x^2 + 33x$$

$$2x^3 - 3x - 4(9x + 6x^3) - 9x^3$$
$$-31x^3 - 39x$$

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

$$3(8x + 6x) + 3x + 6x^3 - 3x^3$$
$$3x^3 + 45x$$

$$2x^3 + 8x + 4(4x^3 + 3x) + 5x^2$$
$$18x^3 + 5x^2 + 20x$$