



## Simplifying Polynomials

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

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

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

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

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

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

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

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

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

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

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

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



## Simplifying Polynomials

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

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

$$9x^3 + 4x^3 - x^3 + x^3 + 6x^2$$
$$13x^3 + 6x^2$$

$$3(x^2 - 8x^2) + 7x + 2x^2 - 9x$$
$$-19x^2 - 2x$$

$$8x - 3x + 3(2x + 4x^3) + 6x^2$$
$$12x^3 + 6x^2 + 11x$$

$$x^2 - 6x^3 + 5x^3 + 4(8x^3 + 2x)$$
$$31x^3 + x^2 + 8x$$

$$2x^2 + 7x + 4x^2 - 4(3x^3 + 9x^3)$$
$$-48x^3 + 6x^2 + 7x$$

$$2(5x^3 + 3x^2) + 8x^3 - 7x + 3x^2$$
$$18x^3 + 9x^2 - 7x$$

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

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

$$4(6x^2 + 9x^3) + 8x - 9x + 9x^3$$
$$45x^3 + 24x^2 - x$$

$$3(7x^2 - 3x^3) + x^3 - 9x^2 - 9x$$
$$-8x^3 + 12x^2 - 9x$$