



## Simplifying Polynomials

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

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

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

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

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

$$2(6x - 7x^3) - 3x - 5x - 6x^2$$

$$3(9x^2 + 5x^3) - 6x^3 - 5x + 4x^3$$

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

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

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

$$9x^3 - 7x^2 - 4x - 7x - 4x^2$$

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



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$$9x^2 - 5x + 4(8x^2 - 9x) - 5x$$
$$\textcolor{red}{41x^2 - 46x}$$

$$7x^2 + 2x - 4x^3 + 2(6x^3 - 6x^2)$$
$$\textcolor{red}{8x^3 - 5x^2 + 2x}$$

$$4x + 3x - 9x + 2(7x^2 - 9x^2)$$
$$\textcolor{red}{-4x^2 - 2x}$$

$$2(6x - 7x^3) - 3x - 5x - 6x^2$$
$$\textcolor{red}{-14x^3 - 6x^2 + 4x}$$

$$3(9x^2 + 5x^3) - 6x^3 - 5x + 4x^3$$
$$\textcolor{red}{13x^3 + 27x^2 - 5x}$$

$$3x - 7x + 4(3x^2 - 2x^2) - 2x^3$$
$$\textcolor{red}{-2x^3 + 4x^2 - 4x}$$

$$5x^2 - 2x^2 + 2x^2 + 5x - 2x^3$$
$$\textcolor{red}{-2x^3 + 5x^2 + 5x}$$

$$5x^2 + 9x^2 + 2(9x^2 + 9x) - 7x^2$$
$$\textcolor{red}{25x^2 + 18x}$$

$$9x^3 - 7x^2 - 4x - 7x - 4x^2$$
$$\textcolor{red}{9x^3 - 11x^2 - 11x}$$

$$7x^3 + 3x - 8x - 9x^3 + 8x^2$$
$$\textcolor{red}{-2x^3 + 8x^2 - 5x}$$