

ADDING POLYNOMIALS WORKSHEET

Simplify the following. Show the steps.

$$\textcircled{1} \quad 4x^2 + 6x + 7 + 2x^2 + 1 - 9x$$

$$\textcircled{5} \quad (-6x^2 + x) + (x^2 - 8x)$$

$$\textcircled{2} \quad 2x^3 + 5x^2 - 2x + x^3 - 8x^2 + 10$$

$$\textcircled{6} \quad (2x^2 - x) + (-9x^2 + 5)$$

$$\textcircled{3} \quad (x^2 + 7x - 2) + (4x^2 - 6)$$

$$\textcircled{7} \quad (12x^2 - 8x - 6) + (-6x^2 + 3x - 9)$$

$$\textcircled{4} \quad (3x^2 - x) + 5x^3 + (-4x^3 + x^2 - 8)$$

$$\textcircled{8} \quad (-7x^5 + 14 - 2x) + (10x^4 + 7x + 5x^5)$$

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Answers

$$\textcircled{1} \quad 4x^2 + 6x + 7 + 2x^2 + 1 - 9x$$

$$\textcircled{5} \quad (-6x^2 + x) + (x^2 - 8x)$$

$$\underline{6x^2 - 3x + 8}$$

$$\textcircled{2} \quad 2x^3 + 5x^2 - 2x + x^3 - 8x^2 + 10$$

$$\underline{-5x^2 - 7x}$$

$$\textcircled{6} \quad (2x^2 - x) + (-9x^2 + 5)$$

$$\underline{3x^3 - 3x^2 - 2x + 10}$$

$$\textcircled{3} \quad (x^2 + 7x - 2) + (4x^2 - 6)$$

$$\underline{-7x^2 - x + 5}$$

$$\textcircled{7} \quad (12x^2 - 8x - 6) + (-6x^2 + 3x - 9)$$

$$\underline{5x^2 + 7x - 8}$$

$$\textcircled{4} \quad (3x^2 - x) + 5x^3 + (-4x^3 + x^2 - 8)$$

$$\underline{6x^2 - 5x - 15}$$

$$\textcircled{8} \quad (-7x^5 + 14 - 2x) + (10x^4 + 7x + 5x^5)$$

$$\underline{x^3 + 4x^2 - x - 8}$$

$$\underline{-2x^5 + 10x^4 + 5x + 14}$$