

Name : _____

Score : _____

IM2 – 2.2 (P – bV1 MathAids B) Adding and Subtracting Polynomials

Date : _____

Adding and Subtracting Polynomials

Simplify each expression.

1) $(6c^4 - 3c) + (9c - 7c^4)$

6) $(9p^2 - 2p^3 - 5p^4) - (3p^4 + 7) - (6p^3 + 4p^2)$

2) $(8 - 5q^2 - 2q^4) + (6q + 3q^4 - 7)$

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

3) $(3x^5 + 8) - (5x^5 + 7 + 6x^3) + (9x^3 - 2x)$

8) $(8 + 3s^5) + (9s^5 - 6)$

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

9) $(2c^2 - 4c^4) - (8c^2 + 6c^3) + (3c^3 - 9c^4 + 5c^2)$

5) $(3s^4 - 8s^5) - (9s^5 + 5)$

10) $(5x^4 - 2) + (9x^4 + 6 - 8x^2)$



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Adding and Subtracting Polynomials

Simplify each expression.

1) $(7n^3 + 2n^4) + (4n^4 - 8n^3)$

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

2) $(6n - 8n^4) - (9n + 4n^4 - 2)$

7) $(3 - 4k^4) + (6k^5 + 8 - 5k^4) + (2 + 7k)$

3) $(2y + 6 - 4y^3) + (3y^3 - 8 - 7y^5)$

8) $(2 - 3k^2) - (8k^2 - 7)$

4) $(2z + 4z^4) + (9z^4 + 6z)$

9) $(4y^5 - 6) + (9y^5 + 2 + 8y^2) - (5y^2 - 3y)$

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

10) $(4z - 8z^4) + (3z + 2z^4) + (6z - 9z^2 + 7z^4)$

