

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

Teacher : \_\_\_\_\_ Date : \_\_\_\_\_

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### Adding and Subtracting Polynomials

**Simplify each expression.**

1)  $(q^2 - 8q^6 - 7) + (3q^2 + 4 - 5q^5) + (9q^2 - 6q - 2)$

6)  $(7p^2 - 4p^4 + 3p) - (5p^2 + 6p^3) + (9p^3 - 8p^4 + 2p^3)$

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

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

3)  $(8q^4 - 3q^2 + 2q) - (4q^2 - 5q) + (7q - 9q^2 + 6q^4)$

8)  $(7z^2 + 5z^3 - 4z^4) - (8z^4 + 6) - (9z^3 + 3z^2)$

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

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

5)  $(3z^3 + 5) + (4z^3 + 8 - 9z^2) + (6z^2 + 7z - 2)$

10)  $(6x^4 - 5x^3) - (2x^3 - 4x + 9x^4)$

