

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

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

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

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

## Adding and Subtracting Polynomials

Simplify each expression.

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

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

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

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

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

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

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

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

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

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



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

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

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

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

## Adding and Subtracting Polynomials

Simplify each expression.

1)  $(5q^2 + 7q^4 + 6) - (2q^2 - 4q^3) - (9q^3 + 3q^4 - 8)$   
 $4q^4 - 5q^3 + 3q^2 + 14$

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

2)  $(8c^4 - 7c^2 + 5) + (9c^4 + 2 - 3c)$   
 $17c^4 - 7c^2 - 3c + 7$

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

3)  $(9 + 6z^2 - 4z^4) - (2z - 8z^4 - 5)$   
 $4z^4 + 6z^2 - 2z + 14$

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

4)  $(5b - 8b^4) + (9b - 4b^2 - 2b^4)$   
 $- 10b^4 - 4b^2 + 14b$

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

5)  $(8 - 9d^4 + 7d^2) + (5d^2 - 6d^3 - 4) + (d^4 + 3d^3 + 2)$   
 $- 8d^4 - 3d^3 + 12d^2 + 6$

10)  $(8s - 6s^4) + (2s - 9s^3) + (3s^3 + 7s^4 + 4s)$   
 $s^4 - 6s^3 + 14s$

