

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

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

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

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

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## Adding and Subtracting Polynomials

**Simplify each expression.**

1)  $(3 - 2b^4) + (4b^4 - 5)$

6)  $(6g^2 + 9g^3) - (7g^3 + 3g^2)$

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

7)  $(7g - 3g^2) + (5g^2 + 8g)$

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

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

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

9)  $(8 - 2k^2) - (9k^2 + 7)$

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

10)  $(2k^2 - 5k^5) - (9k^5 + 3k^2)$



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## Adding and Subtracting Polynomials

Simplify each expression.

1)  $(3 - 2b^4) + (4b^4 - 5)$   
 $2b^4 - 2$

6)  $(6g^2 + 9g^3) - (7g^3 + 3g^2)$   
 $2g^3 + 3g^2$

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

7)  $(7g - 3g^2) + (5g^2 + 8g)$   
 $2g^2 + 15g$

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

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

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

9)  $(8 - 2k^2) - (9k^2 + 7)$   
 $-11k^2 + 1$

5)  $(8k^3 + 6k) - (4k - 5k^3)$   
 $13k^3 + 2k$

10)  $(2k^2 - 5k^5) - (9k^5 + 3k^2)$   
 $-14k^5 - k^2$

