

Name : _____

Score : _____

Teacher : _____

Date : _____

Adding and Subtracting Polynomials

Simplify each expression.

1) $(4y + 2y^4 + 8) + (6y - 9y^4 + 3y^2)$

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

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

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

3) $(6r - 2r^5) - (7r^5 - 5r)$

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

4) $(7 + 8q^3) + (3q^3 + 9)$

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

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

10) $(8g^2 - 6g^5) + (4g^5 - 3g^2)$



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Adding and Subtracting Polynomials

Simplify each expression.

1) $(4y + 2y^4 + 8) + (6y - 9y^4 + 3y^2)$
 $- 7y^4 + 3y^2 + 10y + 8$

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

2) $(4p^4 + 3p^2 + 7) - (5p^4 - 8 + 6p)$
 $- p^4 + 3p^2 - 6p + 15$

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

3) $(6r - 2r^5) - (7r^5 - 5r)$
 $- 9r^5 + 11r$

8) $(5y^5 + 8) - (2y^5 - 3 + 6y^3)$
 $3y^5 - 6y^3 + 11$

4) $(7 + 8q^3) + (3q^3 + 9)$
 $11q^3 + 16$

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

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

10) $(8g^2 - 6g^5) + (4g^5 - 3g^2)$
 $- 2g^5 + 5g^2$

