

Name : _____

Score : _____

Teacher : _____

Date : _____

Adding and Subtracting Polynomials

Simplify each expression.

1) $(5r^2 + 8r^3) - (4r^3 - 2r^4 - 3r^2)$

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

2) $(4y - 2y^4) + (9y + 8y^2 + 7y^4)$

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

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

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

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

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

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

10) $(2 - 3p^2) + (5p^3 + 7 + 4p^2)$



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Adding and Subtracting Polynomials

Simplify each expression.

1) $(5r^2 + 8r^3) - (4r^3 - 2r^4 - 3r^2)$
 $2r^4 + 4r^3 + 8r^2$

6) $(2d + 6d^4) + (9d - 4d^2 - 8d^4)$
 $- 2d^4 - 4d^2 + 11d$

2) $(4y - 2y^4) + (9y + 8y^2 + 7y^4)$
 $5y^4 + 8y^2 + 13y$

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

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

8) $(9h^4 + 7h^3) - (4h^3 - 6h - 5h^4)$
 $14h^4 + 3h^3 + 6h$

4) $(2 + 8x^3) + (5x^4 + 9 - 3x^3)$
 $5x^4 + 5x^3 + 11$

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

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

10) $(2 - 3p^2) + (5p^3 + 7 + 4p^2)$
 $5p^3 + p^2 + 9$

