

Name: _____

Date: _____

Adding and Subtracting Polynomials**Simplify each expression.**

1) $(2x - 4x^4) - (8x^4 + 3x) =$

2) $(2x^3 - 8x^2) - (5x^2 - 3x^3) =$

3) $(-2x^2 + 10x^4 + x^3) + (4x^3 + 3x^4 + 8x^2) =$

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

5) $(4x^2 + 2x^3) - (2x^3 + 5) =$

6) $(2x^3 - 2) + (2x^3 + 2) =$

7) $(2x - 8x^2) - (5x^4 - 3x^2) =$

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

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

10) $(7x + 9) - (3x + 9) =$



$$1) (2x - 4x^4) - (8x^4 + 3x) =$$
$$-12x^4 - x$$

$$2) (2x^3 - 8x^2) - (5x^2 - 3x^3) =$$
$$5x^3 - 13x^2$$

$$3) (-2x^2 + 10x^4 + x^3) + (4x^3 + 3x^4 + 8x^2) =$$
$$13x^4 + 5x^3 + 6x^2$$

$$4) (2x^3 - 6) + (9x^3 - 4x^2) =$$
$$11x^3 - 4x^2 - 6$$

$$5) (4x^2 + 2x^3) - (2x^3 + 5) =$$
$$4x^2 - 5$$

$$6) (2x^3 - 2) + (2x^3 + 2) =$$
$$4x^3$$

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

$$8) (2x^2 - 6) + (9x^2 - 4x^3) =$$
$$-4x^3 + 11x^2 - 6$$

$$9) (5x + 9x^3 - 3x^5) + (8x^3 + 3x^5 - 2x) =$$
$$17x^3 + 3x$$

$$10) (7x + 9) - (3x + 9) =$$
$$4x$$