

## Adding/Subtracting Polynomials Notes (1- 6) Practice (7-12)

Period \_\_\_\_\_

**Simplify each expression.**

1)  $(p^3 - 6) + (3p^3 + 3)$

2)  $(3x^3 - 6x) - (7x^3 - 3x)$

3)  $(6x - 1) + (7 + 4x)$

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

5)  $3(5 + 6n^2 + n^3) + (5n^3 + 3n^2 + 5)$

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

$$7) (5x^2 + 2x) + (8x - 8x^2)$$

$$8) -2(n + 5n^2) - (3n^2 + 2n)$$

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

$$10) (2b - 6b^3 - 3b^2) + (2b^2 + 2 - 8b)$$

$$11) (1 - 8v^2 + 8v^3 + 5v) - (6v + 4v^2 - 4 - 7v^3)$$

$$12) (4n^3 + 8n^2 + 8 - 6n) - (n - 7n^2 + 7n^3 + 8)$$