

## Add, Subtract, Multiply Review

Name \_\_\_\_\_

**Warm-up: Simplify each expression.**

1)  $(6k - 7k^2) + (4k^2 + 6)$

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

3)  $(2x^2 + 5x) + (7 + 5x^2 - x)$

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

5)  $(6n - 4n^4 + 5n^3) + (n^3 - 6n^4 + 7n)$

6)  $(6x^4 - x^3 + 5) - (2x^4 + 3x^3 - 1)$

**Multiplying Polynomials: Find each product.**

7)  $(5p + 3)(8p + 7)$

8)  $(3a + 3)(3a - 2)$

9)  $(3x + 5)(7x - 4)$

10)  $(4x + 5)(4x + 6)$

11)  $(k - 2)(6k + 1)$

12)  $(4m + 2)(4m + 5)$

13)  $(5x + 7)(5x - 7)$

14)  $(2x - 7)^2$