

## Polynomial Review

Date \_\_\_\_\_ Period \_\_\_\_\_

**Simplify each expression. Then classify your answer.**

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

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

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

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

## Polynomial Review

Date \_\_\_\_\_ Period \_\_\_\_\_

**Simplify each expression. Then classify your answer.**

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

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

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

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

**Find each product. Then classify your answer.**

5)  $(3x - 4)(7x + 1)$

6)  $(4p - 7)(5p - 5)$

7)  $(5p^2 - 3p + 1)(4p + 4)$

8)  $(5n^2 + 5n - 6)(7n - 7)$

**Find each product. Then classify your answer.**

5)  $(3x - 4)(7x + 1)$

6)  $(4p - 7)(5p - 5)$

7)  $(5p^2 - 3p + 1)(4p + 4)$

8)  $(5n^2 + 5n - 6)(7n - 7)$