

Adding and Subtracting Polynomials

Date _____ Period _____

Simplify each expression. Then determine the resulting polynomial's (1) Degree and (2) Leading Coefficient.

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

4) $(4 + 2n^3) + (5n^3 + 2)$

5) $(3a^2 + 1) - (4 + 2a^2)$

6) $(5a + 4) - (5a + 3)$

7) $(-4k^4 + 14 + 3k^2) + (-3k^4 - 14k^2 - 8)$

8) $(12a^5 - 6a - 10a^3) - (10a - 2a^5 - 14a^4)$

9) $(-x^4 + 13x^5 + 6x^3) + (6x^3 + 5x^5 + 7x^4)$

:) $(13n^2 + 11n - 2n^4) + (-13n^2 - 3n - 6n^4)$