

1.4 Add and Subtract Polynomials

NAME: _____

Corrective Assignment

DATE: _____

Rewrite each polynomial in standard form and then state the degree of the polynomial.

1. $7x^2 - 4x^3 + 5x^5 - 1$

Degree = _____

2. $4x^5 - 3x^7$

Degree = _____

3. $6 - g^2 + 9g + 5g^4$

Degree = _____

4. $12 + x$

Degree = _____

5. $5x - x^2 + 3$

Degree = _____

6. $9 + x^2 - 3x$

Degree = _____

Find the sum or difference. Express in standard form.

7. $(3a^2 - 4) + (5a^2 - 2)$

8. $(5k^2 + 3k - 6) - (5k^2 - 8k + 3)$

9. $(2m^2 - m + 5) + (-4m^2 + 2m - 7)$

10. $(5c^2 + 2c + 8) - (4c^2 - 5)$

11. $2(3n^2 + 2n) - (n^3 - 2n^2 + 4n + 8)$

12. $(4b^3 - 3b^2 + b) + (4b^2 - 5b + 14)$

13. $3(x^2 + 2) - (3x^2 + 5)$

14. $(d^2 + 3d) - (5d^2 - 4d + 3)$

15. $(b^3 + 2b^2) - 2(3b^2 + 5)$

16. $(4y^5 - 3y^3 + 2y) + (2y^5 + 3y^3 - 9y)$

Answers to Corrective Assignment 1.4

1. $5x^5 - 4x^3 + 7x^2 - 1$ Degree = 5	2. $-3x^7 + 4x^5$ Degree = 7	3. $5g^4 - g^2 + 9g + 6$ Degree = 4
4. $x + 12$ Degree = 1	5. $-x^2 + 5x + 3$ Degree = 2	6. $x^2 - 3x + 9$ Degree = 2
7. $8a^2 - 6$	8. $11k - 9$	9. $-2m^2 + m - 2$
10. $c^2 + 2c + 13$	11. $-n^3 + 8n^2 - 8$	12. $4b^3 + b^2 - 4b + 14$
13. 1	14. $-4d^2 + 7d - 3$	15. $b^3 - 4b^2 - 10$
16. $6y^5 - 7y$		