Corrective Assignment 10.1

Name:_____

Put the polynomial in standard form and then find its degree.

1) $5x^7 - 2x^5 - 4x^9$

Standard Form: _____

Degree: _____

2) $7x^4 - x + 2x^3$

Standard Form: _____

Degree: _____

Simplify each expression.

3) $(2b^3 + 4b^4) + (b^4 + 4b^3)$

4) $(4r^2 - 2) + (1 + 8r^3)$

5) $(7n^4 - 7n) + (n^4 + 1)$

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

7) $(6n^4 - 5n - 7) + (6 - 2n^4 - 6n^3)$

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

9) $(2b^3 + 7b + 7) - (2b + 7b^3 + 1)$

10) $(3x + 4 - 6x^2 - x^4) + (8 - 5x^4 + 4x - 5x^2)$

11) $(2r - 8r^3 + 4r^2 - 5) + (7 - 7r^3 - 2r^2 - 8r)$

12) $(5m^4 - 3 - 2m^2 + 2m^3) + (4m^2 + 2m^4 - 1 - 2m^3)$

Answers to Corrective Assignment 9-1

1) SF: $-4x^9 + 5x^7 - 2x^5$ DEG:9 2) SF: $7x^4 + 2x^3 - x$ DEG:4 3) $5b^4 + 6b^3$
4) $8r^3 + 4r^2 - 1$ 5) $8n^4 - 7n + 1$ 6) $2v^4 - 6v + 12$ 7) $4n^4 - 6n^3 - 5n - 1$
8) $5n^2 - 3n + 2$ 9) $-5b^3 + 5b + 6$ 10) $-6x^4 - 11x^2 + 7x + 12$
11) $-15r^3 + 2r^2 - 6r + 2$ 12) $7m^4 + 2m^2 - 4$