Algebra 1

Bellwork Friday, April 15, 2016

Use your answers to Hwk #15 (Sec 9-1 in the book) to help you with this Bellwork. Write each polynomial in Standard Form.

1.
$$64x^2 - 37 - 2x^3 + 19x$$

2.
$$4(x-8) - 5x(3x+2)$$

Find the degree of each.

3.
$$55a^4b^2$$

4.
$$9x + 13x^4 - 20x^3 + 11 - 43x^2$$

Give the name of each polynomial by its degree.

6.
$$-3x^2 + 6x - 1$$

7.
$$11x^3 + 4x$$

9.
$$18x^4 + 7x^3 - 30x + 13$$

Give the name of each polynomial by the number of terms it has.

10.
$$8x^2 - 4x + x^2$$

11.
$$81x^3$$

12.
$$4x^2 - 3x + 1$$

13.
$$11x^5 + 9x^4 - 6x^5 + 14$$

14. Use these two polynomials:
$$f(x) = 7x^2 - x + 13$$
 $g(x) = 10x^2 + 3x - 2$

$$g(x) = 10x^2 + 3x - 2$$

Find this difference: f(x) - g(x) =

15. Expand.
$$-4a^3b^5(6a^2 - 2ab^3 + 7b^4) =$$

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Answers

Use your answers to Hwk #15 (Sec 9-1 in the book) to help you with this Bellwork.

Write each polynomial in Standard Form.

1.
$$64x^2 - 37 - 2x^3 + 19x$$

$$-2x^3+64x^2+19x-37$$

2. 4(x-8)-5x(3x+2)4x-32-15x2-10x -15x2-6x-32

Find the degree of each.

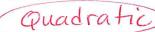
3.
$$55a^4b^2$$

4. $9x + 13x^4 - 20x^3 + 11 - 43x^2$

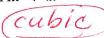
Give the name of each polynomial by its degree.



6.
$$-3x^2 + 6x - 1$$



7.
$$11x^3 + 4x$$





9.
$$18x^4 + 7x^3 - 30x + 13$$

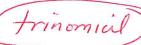


Give the name of each polynomial by the number of terms it has.

10.
$$8x^2 - 4x + x^2$$



12. $4x^2 - 3x + 1$



13.
$$11x^5 + 9x^4 - 6x^5 + 14$$

14. Use these two polynomials:
$$f(x) = 7x^2 - x + 13$$
 $g(x) = 10x^2 + 3x - 2$

$$g(x) = 10x^2 + 3x - 2$$

Find this difference: f(x) - g(x) =

$$7x^{2}-x+13-(10x^{2}+3x-2)$$
= $(-3x^{2}-4x+15)$

$$-4a^3b^5(6a^2-2ab^3+7b^4)=$$