Algebra 1 Bellwork Monday, March 23, 2015

1. Factor each polynomial using GCF.

a. $54m^5 - 18m^3$ b. $32c^5d^3g^6 - 48c^3dg^9 + 28c^2d^5g^4$

2. State the degree of each.

a. $12y^4 - 6y^2 + 5y^5 - 91y$ b. $-20j^4k^4m$

3. Name each by it's degree.

a. $12c$ b. $7m^2 + m^3 - 9$ c. 75

4. Name each by the number of terms.

a. $8w^5 - 30w^2 + 18$ b. $42k^3$ c. $8x - 1$

5. Expand each.

a. $8C^2D^4(7C^3D - 11D^2)$ b. $(5R - 6)(2R + 7)$

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1. Factor each polynomial using GCF.

a. $54m^5 - 18m^3$ $18m^3(3m^2 - 1)$

b. $32c^5d^3g^6 - 48c^3dg^9 + 28c^2d^5g^4$ $4c^2dg^4(8c^3d^2g^2 - 12cg^5 + 7d^4)$

2. State the degree of each.

a. $12y^4 - 6y^2 + 5y^5 - 91y$ degree = 5

b. $-20j^4k^4m$ degree = 9

3. Name each by it's degree.

a. $12c$ Linear b. $7m^2 + m^3 - 9$ Cubic c. 75 constant

4. Name each by the number of terms.

a. $8w^5 - 30w^2 + 18$ trinomial b. $42k^3$ Monomial c. $8x - 1$ binomial

5. Expand each.

a. $8C^2D^4(7C^3D - 11D^2)$ $56C^5D^5 - 88C^2D^6$

b. $(5R - 6)(2R + 7)$ $10R^2 + 23R - 42$

	5R	-6
2R	$10R^2$	-12R
+7	+35R	-42