Bellwork Monday, May 19, 2014

1. State the degree of each polynomial.

a) $10x^2 - 6x + 14x^4 - 9x^3 + 70$

b) $-8a^3bc^4$

2. Write each polynomial in Standard Form then give it a name based on its degree and number of terms.

a) $-14 + 9x^3$

b) $9w$

c) $3 - 8x - 6x^2$

d) -95.3

3. Factor using GCF:

$54h^6jk^4 + 24h^4j^6k^7 - 48h^3j^9k^3$

Expand each. Write your answer in Standard Form if there is only one variable.

4. $(c + 7)(c - 10)$

5. $(5k - 8)(2k - 11)$

6. $(3a+4)^2$

7. $(7p+5q)(7p-5q)$

8. $(2b+3)(4b^2-7b-10)$

Factor each completely.

9. $9m^2-100n^6$

10. $7y^5-112y^3$