**Bellwork Friday, May 9, 2014**

1. State the degree of each.

a) $9c^4d^2e$

deg = 7

b) $7x^3 - 2x + 11 - 5x^5$

deg = 5

2. Name each based on its degree.

a) $4x - 9$

Linear

b) $12 + 2x - 3 - 2x$

9 → Constant

c) $10 + 2x^3$

Cubic

d) $-8x^2 + 4x - 1$

Quadratic

3. Name each based on the number of terms

a) $4m(3m + 2) - 7m + m^2$

$12m^2 + 8m - 7m + m^2$

$13m^2 + m$

Binomial

b) $48a^3$

monomial

c) $9t - 4$

Binomial

4. Expand. Write answer in Standard Form.

$-8c^2(4c + c^2 - 3)$

$8c^4 - 32c^3 - 24c^2$

5. Expand. $4j^2k^3(-3j^3k + jk^4 - 6k^5)$

$-12j^5k^4 + 4j^3k^7 - 24j^2k^8$