VIDYA SHREE ACADEMY
SR. SEC. SCHOOL
An English Medium Co.Ed. School | Science & Commerce

VSA
A Real English Medium School

Little Steps
Pre Primary wing of VSA

W : www.vsajaipur.com | E : vsajaipur@gmail.com M. : +91 9460356652, 8058999828
Add. : 84, Krishna Vihar, Behind Narayan Niwas, Gopalpura Bypass, Jaipur - 302015
/vsajaipur | /vsajaipur | /vidyashreeacademy | /vsa_jaipur

Worksheet for Subject-Maths　　　　　**Class- I X**　　　　　**Topic -Polynomials**

Write the coefficients of x^2 in each of the following:

(i) $2 + x^2 + x$　　　(ii) $2 - x^2 + x^3$　　　(iii) $x^2 + 2x - 3$

(iv) $5x^3 + 7x^2 - 2x$　　(v) $2 - 7x^2 + 6x$

1. Write the degree of each of the following polynomials:
   (i) $5x^3 + 7x^2 - 2x$　　(ii) $2 - 7x^2 + 6x$　　(iii) $5 - y^2$
   (iv) $x^6 + 8x^2$　　　　(v) $9 + z - 8z^2 + 5z^3$

2. Classify the following as linear, quadratic and cubic polynomials:
   (i) $x^2 + x$　　　　(ii) $x - x^3$　　　　(iii) $y + y^2 + 4$
   (iv) $1 + x$　　　　(vi) r^2　　　　(vii) $7x^3$

3. Find $p(0)$, $p(1)$ and $p(2)$ for each of the following polynomials:
   (i) $p(y) = y^2 - y + 1$　　　(ii) $p(t) = 2 + t + 2t^2 - t^3$
   (iii) $p(x) = x^3$　　　　　(iv) $p(x) = (x - 1)(x + 1)$