

## Grade 9 Topic : Polynomials

1) Write the coefficient of  $x$  in  
the expansion  $(x-2)^2$

2) Write the coefficient of  $y^2$  in the expansion  $(5-y)^2$

3) Find the value of polynomial  
 $4x^2-5x+9$  when  $x=2$

4) Write the degree of polynomial  
Square root 5

5) Give one example of each of the following :

a) A binomial of degree 27

b) A monomial of degree 0

c) A trinomial of degree 20

6) Classify the following as a constant, linear, quadratic and cubic  
polynomials

$4x$ ,  $1-2x^2$ ,  $2+x+x^2$ ,  $\text{root } 2$ ,  $4x^3+2x^2+1$ ,  $2x+5$