**DELHI PUBLIC SCHOOL, SRINAGAR**

ASSIGNMENT No. 1

**SUBJECT: MATHS**

**CLASS: 8TH**

**TOPIC: ALGEBRAIC EXPRESSIONS**

Q1 The degree of the expression 2x-4xy2+5x2y3

Q2 The number of terms in a binomial is

Q3 What must be subtracted from 2x2-3x+4 to get x2 +2x-1?

Q4 The product of 3x2 and -5xy3 is

Q5 The product of (x+3) and (2x-1) is

Q6 The product of (x+y) (x-y) (x2+y2) is

Q7 What will be the remainder when 3x2-2x+1 is divided by x+5?

Q8 What will be the remainder when x6-3x2-10 is divided by x3-1?

Q9 What must be added to y3-y2-3y-2 to get y2-5y+6?

Q9 Find the value of <a> if (2x-5) (x+3)=2x2+x+a?

Q10 When (3y+1)(2y-3)=6y2+ay-3, what will be the value of (a)?

Q11 If x=3, y=2, then (x-y)(x2+xy+y2) is

Q12 Add (i) 3m2+8m-4 and 6m2-m+7 (ii) a2+2ab and -3ab-d2

Q13 Simplify (i) 4x-(-8y-3x) (ii)-(49-a2)-9a2

Q14 Subtract 72pq-30q2-15p2 from 30p2+40q2-12pq ?

Q15 The sides of a triangle are 3x+1, 4x+2 and 5x.Find the perimeter of the triangle.