

DELHI PUBLIC SCHOOL, SRINAGAR

ASSIGNMENT No. 1

SUBJECT: MATHS

CLASS: 8TH

TOPIC: ALGEBRAIC EXPRESSIONS

Q1 The degree of the expression $2x-4xy^2+5x^2y^3$

Q2 The number of terms in a binomial is

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

Q4 The product of $3x^2$ and $-5xy^3$ is

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

Q6 The product of $(x+y)$ $(x-y)$ (x^2+y^2) is

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

Q8 What will be the remainder when x^6-3x^2-10 is divided by x^3-1 ?

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

Q9 Find the value of a if $(2x-5)(x+3)=2x^2+x+a$?

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

Q11 If $x=3, y=2$, then $(x-y)(x^2+xy+y^2)$ is

Q12 Add (i) $3m^2+8m-4$ and $6m^2-m+7$ (ii) a^2+2ab and $-3ab-d^2$

Q13 Simplify (i) $4x-(-8y-3x)$ (ii) $-(49-a^2)-9a^2$

Q14 Subtract $72pq-30q^2-15p^2$ from $30p^2+40q^2-12pq$?

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