# CLASS 8 MATHEMATICS - HANDOUT 02

# TOPIC : MULTIPLICATIONS OF MONOMIAL TO MONOMIAL AND MONOMIAL TO TRINOMIAL

An algebraic expression having only one term is called monomial . For example 2x , 3y , 4z etc.

If an expression having two unlike terms than the expression is called binomial . For example 7x+3y , -2p+4q etc.

Similarly if an algebraic expression having three unlike terms is called trinomial. For example -7p+9q+r , 2a+10b+5c etc.

In general an algebraic expression having one or more terms is called polynomial. Thus monomial, binomial and trinomial all are polynomial.

Multiplication of a monomial to monomial :

Example: 4x X 3xy = 4X3 ( product of numerical coefficients of both monomials ) X x X xy ( product of algebraic factor of both monomials)

= 12 X xy

= 12xy

Multiplication of monomial to binomial:

 In multiplication of a monomial to binomial distributive law is used .

Example : 2x X (a+b)= 2x X a + 2x X b ( Distributive property)

 = 2xa+2xb