**Tutorial :1 (Unit:1 Linear Algebra)**

**Mathematics :1**

1. Find (a) 3A+2B (b) 2A-4B (c) Where , 
2. , . Calculate.
3. Find , given 
4. Find a matrix x such that it satisfies the equation, Where A=
5.  (b) 
6. Multiply :

(a)  (b) 

(C) 

(6) Find det A given that the matrix A equals,

(a)  (b)  (c)  (d) 

(7) Solve the equations:

(a)  (b) 

(8) Let  and . Find in terms of k.

(a) det(2A-B)

(9) Given matrix M, Find the matrix X.

(a) and

(b) and 4X=M

(10) Find if possible, the product AB and BA.

(a) , B=[ 5 6]

(b) A=[2 0 3] ,

(11) Find C=AB-BA if and