**Grade: XII MATRICES-Test 9585857580**

1. If find  and hence find a matrix X such that 

2. If  and I is the identity matrix of order 2, then show that .

3. If and , then find the value and .

4. Solve: .

5. If , find the values of x+y.

6. For what value of , is the matrix  a skew symmetric matrix?

7. If matrix  and , then find the value of p.

8. Using elementary transformations, find the inverse of the matrix 

9. If  then for what value of is A an identity matrix?

10. Express the following matrix as the sum of a symmetric and skew symmetric matrix, and verity your result. .