

CHAPTER - 3 :-

① No. of possible Matrix = (No. of entries)^{order}

② $\frac{1}{2}(A + A') + \frac{1}{2}(A - A') = A$

③ $(A')' = A$ ④ $(kA)' = kA'$

⑤ $(A \pm B)' = A' \pm B'$

⑦ $AB \neq BA$

⑥ $(AB)' = B' A'$

⑧ $A = A' \rightarrow \text{sym.}$

⑨ $-A = A' \rightarrow \text{skew sym.}$

If

⑩ $AB = BA = I$, then $A = B^{-1}$, $B = A^{-1}$