enamples Enample on If you measure Sx on a particle in general state 3 N= M+ + 67 \_ what result will you get? 3 Find the eigenvalues and eigen functions of Sn Sn = + 1 (01) to solve any eigen values det (Sx - 71)=0 1-200  $\begin{pmatrix} 0 & 7/2 \\ KI & 0 \end{pmatrix} \sim \begin{pmatrix} 2 & 6 \\ 0 & 7 \end{pmatrix} \approx 0$ 

