## Conventions for "states"

- Can't exactly specify the states, but have "conventional" choices (details in text):
- (WRITE THESE ON THE BOARD!!)
- Row 1: write $\mid+>$ and $\mid->$ in terms of $\mid+>_{y}$ and $\mid->_{y}$
- Row 2: show that the $\mid+>_{y}$ and $\mid->_{y}$ states are orthonormal
- Row 3: write $\mid+>_{x}$ in terms of $\mid+>_{y}$ and $\mid->_{y}$

