

Question One.

Check Strange Eqs.(5.44), (5.45), and (5.48).

Question Two.

Check whether the generalized \vec{S} operator defined in Strange Eq. (5.47) satisfies the condition of a quantum mechanical angular momentum operator.

Question Three.

Solve problem (3) in section 5.8.

Question Four.

Solve problem (5) in section 5.8.

Question Five.

Come prepared to tell the class a "Dirac story" (see attached articles for inspiration).