

Assigned problems. *Two problems will be graded, and will be worth 50 points each.*

1. Calculate the matrix representations of the spin operators \hat{S}_x , \hat{S}_y and \hat{S}_z for a spin $s = 3/2$ particle.
2. *Gasiorowicz 14.7*
3. *Gasiorowicz 14.9*
4. *Gasiorowicz 14.14*