

LATE HOMEWORK INCURS -10%/WEEKDAY LATE, UP TO 50% MAXIMUM

You must staple all of your sheets together. All handwritten work must be neatly written.

1 Griffiths Problem 4.33

2 Griffiths Problem 6.38

3 **Everything You Always Wanted to Know About the Hydrogen Atom But Were Afraid to Ask** Read the essay on the class webpage about hydrogen and copy every equation from equation 1 through equation 59. For 10% extra credit use a LaTeX compiler (free on the web; see here: <http://www.latex-project.org/ftp.html>) to typeset all the equations. If you do not typeset the equations, remember, it must be written neatly!