

## Physics 829: Problem Set 1

**Due Wednesday, April 2 at 11:59 P. M.**

Each problem is worth 10 points. Note that all the problems below deal with scattering cross-sections in the Born approximation.

1. Shankar, Problem 19.3.1
2. Shankar, Problem 19.3.2
3. Shankar, Problem 19.3.3
4. Shankar, Problem 19.3.4