

## Physics 263: Problem Set #8

These problems are due as usual at the end of the day on Friday, May 23.

1. Shankar, problem 9.7.8 pg. 286.
2. Shankar, problem 9.7.12 pg. 291.
3. Shankar, problem 9.7.13 pg. 284.
4. Shankar, problem 9.5.11 pg. 265.
5. Shankar, problem 6.1.5 pg. 111.
6. Shankar, problem 6.1.7 pg. 113.
7. Shankar, problem 6.2.4 pg. 120.
8. Shankar, problem 6.2.9 pg. 124. “What do the  $N$  roots of unity look like?” means sketch a bunch of dots in the complex plane.
9. Shankar, problem 6.2.14 pg. 126.
10. Shankar, problem 6.3.5 pg. 132.