1. Problem 8.13, page 335 in Griffith — WKB approximation of spherical potential for $l = 0$.

2. Problem 8.14, page 336 in Griffith — WKB approximation for the Hydrogen atom. Hint: Think carefully about the definition of the turning points $r_1$ and $r_2$. Exploit these definitions in the integrand. With this insight and the integral given in Griffiths (Eq. 8.56), this problem is technically not very difficult.


Due Friday, March 10, 5 pm. Scores for late problem sets will be divided by 2.