

Problem Set 7 P 556
 Due Monday 3/7/05

Problems in K. Huang p 167-168

① Problem 7.1 (note we did part (a) in class)

② Problem 7.2

③ Problem 7.5

④ Problem 7.6. Note there is a typo in part (b). The final exponent should read

$$Z(V, T) = \ln \left[1 + \frac{N^2}{2V} \int d^3r f(r) + \dots \right]^{1/N}$$