CHM 117
Problem Set 2

This problem set is due on Thursday, February 2, 2006.

1) Do the following problems in Bard and Faulkner: 3.1, 3.3, 3.6, and 4.3.

2. Given a typical diffusion coefficient for a molecule in solution of $10^{-5}$ cm$^2$/s and a potentiostat with a current sensitivity of $0.1 \mu$A/cm$^2$, what is the smallest concentration of a species that can be observed under diffusion limited conditions at a planar electrode for a cell having an RC time constant of 1ms?