

1. K&K, chapter 12, problem 1.
2. K&K, chapter 12, problem 4.
3. K&K, chapter 13, problem 1.
4. K&K, chapter 13, problem 2.
5. K&K, chapter 13, problem 3.
6. K&K, chapter 13, problem 6. Hint: the intersection of the electron concentration curve with the n_d^+ curve most likely occurs where the n_d^+ curve (as in the figure in the notes or K&K figure 13.6) is sloped down with constant logarithmic slope.
7. K&K, chapter 13, problem 7.