EE 2403
Problem Set 1
Due Tues. June 11, 2013

Read Chapter 3 in Sedra and Smith

1. Problem 3.4

2. Problem 3.6 parts c, d, and e.

3. Problem 3.10. Note $D_p = 12 \text{ cm}^2/\text{s}$ and $D_n = 34 \text{ cm}^2/\text{s}$

4. Problem 3.13

5. Problem 3.20

6. What is the change in forward voltage across a junction diode that would increase the current through the diode by a factor of 10. Assume a constant temperature.