Homework for 651

Due Tuesday, March 8, 2007 (Note the later date)

1. Problem 5 on page 86 in Hatcher.
2. Problem 9 on page 131 in Hatcher.
3. Problem 14 on page 132 in Hatcher.
4. Let σ^n be the simplicial complex determined by a simplex $< v_0, \ldots, v_n >$ and all its faces. Compute the dimension of the simplicial chain groups C_k for $k = 0, 1, \ldots, n$ and describe the boundary maps.