MATH 348 Reading Questions

Section 9.1 NAME

Read Section 9.1, at least through page 154, and answer the following questions. This sheet will be checked for completeness at the beginning of the next class.

1. What does the notation $[v_0, \ldots, \widehat{v_i}, \ldots, v_k]$ signify?

2. What sets are denoted by $S_n(K)$ and $C_n(K)$?

3. Note that $\mathbf{Z}/2$ refers to the set $\{0, 1\}$ with addition modulo 2, meaning that $1 + 1 = 0$. How is $\mathbf{Z}/2$ used in this section of the text?

4. What is an **n-chain**?

5. What is the map denoted δ_n?

6. What is the definition of the nth **homology group**? (It's OK if this definition doesn't make sense yet.)