1. Problem 23 of the ‘text’.

2. Prove that every proper face of a polytope $P$ is contained in a facet.

3. Problem 24 of the ‘text’.

4. Problem 25 of the ‘text’.

5. Problem 27 of the ‘text’. (But only for boundaries of simplicial polytopes, not abstract simplicial complexes.)

6. Write down formulas for $h_i$ in terms of $f_j$ and vice versa. Which $f_j$ does $h_i$ depend on (and vice versa)?