<b>Problem 1</b> (3.1.6a). Directly from the definitions, compute the simplicial cohomology groups $S^1 \times S^1$ with $\mathbb{Z}$ and $\mathbb{Z}_2$ coefficients, using the $\Delta$ -complex structure given in §2.1.	oj
Proof.	
<b>Problem 2</b> (3.1.8a). Compute $H^i(S^n; G)$ by induction on n in two ways: using the long exasequence of a pair, and using the Mayer-Vietoris sequence.	ct
Proof.	
<b>Problem 3</b> (3.1.9). Show that if $f: S^n \to S^n$ has degree $d$ then $f^*: H^n(S^n; G) \to H^n(S^n; G)$ multiplication by $d$ .	is
Proof.	