

**Topology II, Newberger, Fall 2005**

**Written Homework: Section 25.** Due Thursday, September 15.

- (1) (10 points) Page 162 #4. (This is similar to page 158 #10.)
- (2) (10 points) Page 163 #8.
- (3) Read the definition of a topological group on page 145.
- (4) (10 points) Page 146 #3.
- (5) (10 points) Page 163 #9.