Math 441 **Topology** Autumn 2004
Final Writing Assignment

For your last writing assignment, please write up a careful solution to Problem 7 in Section 19.

Due Dates:

- First draft: Wednesday, Nov 24 *(two copies)*.

- Second draft: Wednesday, December 1 *(two copies)*.

- Final portfolio: Friday, December 10 *(final drafts of all writing assignments, together with all previous marked-up drafts)*.

Guidelines

For this writing assignment, I want you to write for a different audience than in previous assignments. Imagine that you are writing a short article for publication in *Mathematics Magazine*, a journal devoted to expository articles about undergraduate mathematics. You can imagine your audience to be composed of undergraduates like yourself, with some basic knowledge of topology. However, this time, you can't assume that everyone in your audience has been taking Math 441, so you'll have to include enough motivation and background information to explain why the result is interesting and how it fits into general topology.

If you'd like to get an idea of what real articles in *Mathematics Magazine* look like, you can check their web site (`www.maa.org/pubs/mathmag.html`).