MA 331 HW 9: Advertising a product.

1. READING

(1) Read the handout about applications of topology to GIS.

(2) Read Sections 3.6 and 3.7 of Mendelson. Pay particular attention to:

- Definition 6.7 and the following discussion. (I've been using the term "smaller" instead of "weaker".)

- Why the product topology is the smallest (or weakest) topology which makes the projection maps continuous.

2. PROBLEMS

(1) Do Problems 7 and 8 on page 96 (Section 3.6) of Mendelson

(2) Do Problems 2, 5 and 6 on page 100 of Mendelson.