

Turn in starred problems (and only those) on Wednesday 10/01/2008.

Multiple-page homework must be STAPLED when handed in.

Section 13

- 3, 4, 5
- 7* *For this problem only*, turn in just your answers, without justification.
- 8*

Section 16

- 3, 4*, 5
- 8* For this problem you should give clear justification for your answers, but you need not write out a complete proof.
- 9, 10

Note: When you are asked to *compare* two topologies (on the same set) you should determine whether or not they are the same, whether one is strictly finer than the other, or whether they are incomparable.