Introduction to Topology (640:441)  
Assignment 9

**Important:** Be sure to read and follow the homework requirements given on the course web page.

**Problems to be handed in.**

1. Section 20:3
2. Section 20:4 (As usual, justify your answer) (Alternative problem: 20:8)
3. Section 20:6
4. Section 21:7

Additional recommended problems not to be handed in:

- Section 20:9
- Section 21:3, 6, 9, 11

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\(^1\text{Version: 10/27/10}\)