

TOPOLOGY HOMEWORK 10, DUE NOVEMBER 7

- (1) Do problem 20.1 on page 126 of Munkres.
- (2) Do problem 20.3 on pages 126–127 of Munkres.
- (3) Do problem 20.4 on page 127 of Munkres. Be careful that taking the supremum turns $<$ into \leq , which you can often deal with by making your choices of ε or δ or whatever half as big.
- (4) Do problem 20.5 on page 127 of Munkres.