

MATH 4530: HOMEWORK #4

- Due Friday, September 22nd at 11pm.
- To be submitted on the course gradescope.
 - Please remember to indicate which pages your solutions to each problem appear on.
- § n : # m refers to exercise number m from the exercise list following Section n of the textbook (Topology, Second Edition by James R. Munkres).
- You are encouraged to discuss the problems in groups. *However, you must write your solutions individually!*

Problems.

- (1) §18: #8
- (2) §18: #12
- (3) §19: #6
- (4) §19: #7
- (5) §19: #8
- (6) §19: #10
- (7) §20: #1
- (8) §20: #2
- (9) §20: #3