Topology, fall 2022

Homework 2, due Thursday September 22.

Read Munkres sections $\S 17 - 18$ (pages $92 - 112$).

I-IV. Write solutions to exercises 4, 6, 11, 18 (for subsets A,B,C) on pages 101-102.

V. Determine the interior, closure and the set of limit points for subsets (a)-(d) of the plane in problem 20 on page 102.

VI-VI. Solve exercises 1, 2 on page 111.

Additional optional problems to think through (do not submit solutions): 3, 7, 12, 13, 19abc on pages 100-102 and 4, 6, 7a, 11, 12 on pages 111-112.