MA 562 - Differential Topology
Homework 11

Due Monday, November 4 by 8:30am (upload to Brightspace)

Recommended practice/review problems (ungraded, please do not submit): 12.3, 12.17, 12.20, 12.23, 12.26.

1. Do Problem 11-13 on page 301 of Lee.

2. Do Problem 12-1 on page 324.

3. Do Problem 12-4 on page 325.

4. Do the following (simpler) variant of Exercise 12.18 from page 317: Show that $T^k T^* M$ is a smooth vector bundle over M, and determine its rank.