

MATH 505: Differentiable Manifolds
HOMEWORK 4
Due Date: May 17th, 2019

Please do six of the following twelve problems, but you should choose three of them from the problems with stars.

Chapter 8

Problem 1: Lee, 8-6. (*)

Problem 2: Lee, 8-10.

Problem 3: Lee, 8-12. (*)

Problem 4: Lee, 8-13. (*)

Problem 5: Lee, 8-16 (c).

Chapter 9

Problem 6: Lee, 9-3 (a), (d).

Problem 7: Lee, 9-4. (*)

Problem 8: Lee, 9-7. (*)

Problem 9: Lee, 9-16. (*)

Problem 10: Lee, 9-18.

Chapter 11

Problem 11: Lee, 11-7 (b).

Problem 12: Lee, 11-9.