

MATH 141: Differential Topology

Homework #11

Due December 4, 2014

Please turn in the starred (*) problems only.

- 1.* Show that S^n and $T^n = S^1 \times \cdots \times S^1$ are not diffeomorphic, for $n \geq 2$.
- 2.* Exercise 1.8.15
3. Exercise 2.3.12
- 4.* Exercise 2.3.16
5. Exercise 2.3.19