

MATH 527: GEOMETRY/TOPOLOGY I

FALL 2006

A.Katok

HOMEWORK # 3; September 25, 2006

Compactness, Connectedness, Manifolds

Due on Monday, October 2

ATTENTION: NUMBERS FROM REVISED VERSION of “Chapter 1”

11. Ex 1.5.5

Hint: You may use induction in n .

12. Ex. 1.10.7

13. Ex 1.7.2.

14. Ex 1.10.14.

15. Ex 1.8.6.

“Extra credit” problem

You may submit solutions until October 13.

E3. Ex 1.8.3.