

Math 722A1, Homework #1
Differential Topology II
Due March 30, 2005

- (1) Spivak Vol 1, Chapter 9, Problem 23
- (2) Spivak Vol 1, Chapter 9, Problem 26
- (3) Spivak Vol 1, Chapter 9, Problem 40
- (4) Spivak Vol 1, Chapter 9, Problem 41. In addition, calculate the scalar curvature of the Poincaré upper half-plane.
- (5) Spivak Vol 1, Chapter 10, Problem 1
- (6) Spivak Vol 1, Chapter 10, Problem 4
- (7) Spivak Vol 1, Chapter 10, Problem 6
- (8) Spivak Vol 1, Chapter 10, Problem 11
- (9) Spivak Vol 1, Chapter 10, Problem 25