MATH 25A – PROBLEM SET #9
DUE FRIDAY NOVEMBER 30

1. PART A

(1) Problem 3.1.8.
(2) Problem 3.1.2.

2. PART B

(1) Problem 3.2.8.

3. PART C

For this part of the homework, please read Example 3.2.1 in the book about linked rods. The configuration of such rods often turns out to be a manifold, but not always (see problem 3.2.7 for an example).

(1) Problem 3.2.1.
(2) Problem 3.2.2(a). Prove that X is a manifold.