

Topology II MTG5327 Spring 2014
Homework 3
Due Friday, January 31, 2014

Turn in solutions to the following problems from Hatcher's *Algebraic Topology*

Section 1.2, page 52-53: 1,2,3,4

In addition, determine $\pi_1(\mathbb{R}P^n)$ for all $n \geq 1$. Hint: Do $n = 1$ and 2 separately; then use mathematical induction.