Homework 7

Name:

Date: June 8, 2015

P 1. Find the intervals on which

$$f(x) = \frac{\sin x}{1 + \cos^2 x}$$

on the interval $(-2\pi, 2\pi)$ is increasing or decreasing.

P 2. Find the points of inflection and discuss the concavity of the graph of

$$y = x - \ln x$$