

MATH 112-04 QUIZ 4

SURNAME / NAME:

ID:

Date: February 28, 2005

Problem 1. Evaluate the following integrals

$$(a) \int \frac{xdx}{(8 - 2x^2 - x^4)^{3/2}}, \quad (b) \int \frac{\sec^4(\ln x) \tan^5(\ln x)}{x} dx, \quad (c) \int_0^1 x \tan^{-1} x dx.$$