

Quiz 1 — JANUARY 23RD, 2014 (THURSDAY)

MA 113, SPRING 2014

Name: _____

Section: _____

total pts: /10

1. Find all solutions in $[-\frac{\pi}{2}, \frac{\pi}{2}]$ of the equation

$$\cos x \sin x - \frac{1}{2} \cos x = 0.$$

pts: /5

2. Find the inverse of $f(x) = \ln(x + 1) - 3$ and give the domain and range of both f and f^{-1} .

pts: /5
