MATH 1850 Sec 001 SINGLE VARIABLE CALCULUS I

QUIZ 6
March 14, 2013


1. Use a reference triangle to find the given angle. Show your work.

2. Find the derivative of $y$ with respect to $x$.

$$
y=\sec ^{-1}\left(6 x^{2}+1\right), \quad x>0
$$

(Hint: $\left.\frac{d}{d x}\left(\sec ^{-1} x\right)=\frac{1}{|x| \sqrt{x^{2}-1}}\right)$


