

Quiz 5

Math 1A, section 103

February 20, 2014

1. (a) Use the Quotient Rule to differentiate the function

$$f(x) = \frac{\tan(x) - 1}{\sec x}$$

- (b) Simplify the expression for $f(x)$ by writing it in terms of $\sin(x)$ and $\cos(x)$, and then find $f'(x)$.
- (c) Show that your answers to parts (a) and (b) are equivalent.