

Last name: _____

First name: _____

Section: _____

Question:	1	2	Total
Points:	10	10	20
Score:			

Instructions: You must answer all the questions below and give your solutions to the TA at the end of the recitation. Write your solutions on a different sheet of paper. No late worksheet will be accepted.

QUESTION 1 (10 pts)

Find the derivative of the following functions.

(a) (5 points) $f(x) = \sin(x) \tan(x)$.

(b) (5 points) $v(x) = \frac{1}{\cos x \sin x}$.

QUESTION 2 (10 pts)

Find y' if y is given by the following relations.

(a) (5 points) $\tan(y) = x^2 + 1$.

(b) (5 points) $y \sin y = x$.