Math	201	- O1	117	#4

Name:		
name:		

1. Solve two of the following parts. Please put an X through the parts you do not want graded. Compute the derivative for each of the following. Full simplification is not necessary, but your final answer should not have any derivatives.

(a)
$$f(x) = 5\tan(x) + \cos(2x^{10} + 1)$$

answer:

(b)
$$y = \frac{\sin(5x)}{x^2 + 1}$$

answer:

(c)
$$y = \sqrt{\sec(5x - 1)}$$

answer:

(d)
$$y = e^{x \cot(x)}$$

answer:

2.	Find	$\frac{dy}{dx}$	of the	eqation	$x^2 + $	3xy +	$y^2 = 1$	$\tan^2(x)$	using	implicit	differe	ntiation	l .	
	answ	er												