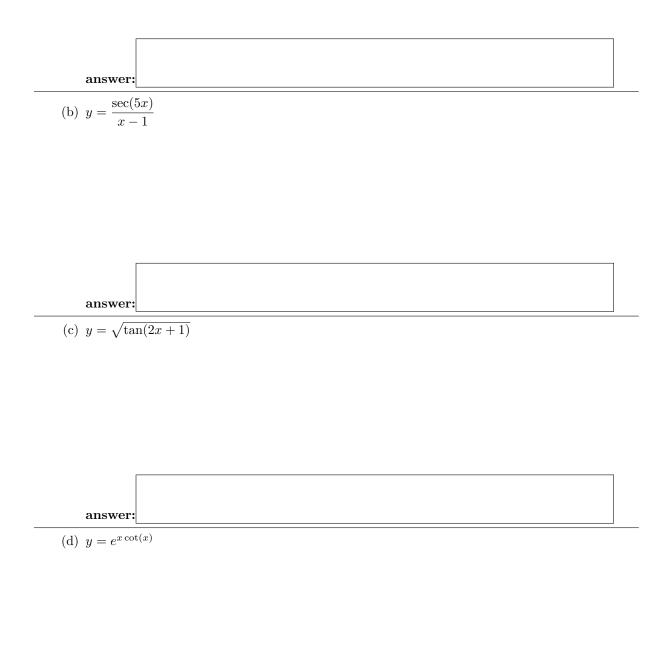
## Math 201 - Quiz #4

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)  $f(x) = 3\cos(x) + \sin(3x^7 1)$





2. Find  $\frac{dy}{dx}$  of the equation  $x^2 + xy + y^2 = \sin^2(x)$  using implicit differentiation.

