Last Name: SOLUTIONS

First Name:
Student ID:

Quiz 6

Question 1. (10 marks) In a study conducted by a certain country's Economic Development Board, it was found that the Lorentz curve for the distribution of income of college teachers and lawers was described by the functions

$$f(x) = \frac{13}{14}x^2 + \frac{1}{14}x$$
 and $g(x) = \frac{9}{11}x^4 + \frac{2}{11}x$

respectively.

- (a) Compute the coefficient of inequality for each Lorentz curve.
- (b) Which profession has a more equitable income distribution?

5) SINCÉ L
$$f \approx 0.3095$$
 < Lg ≈ 0.4909 TEACHERS HAVE A MORE EQUITABLE INCOME DISTRIBUTION.