

Student Name: \_\_\_\_\_ Student Number: \_\_\_\_\_

Serial No.: \_\_\_\_\_

Instructor: M. Z. Abu-Sbeih

Math - 132.1

Quiz No. 5

Date: 6-5-2013.

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**Problem 1:** (5 points each) Evaluate the integral

(a)  $\int x^2 e^x dx$

(b)  $\int x \ln x dx$

(c)  $\int \frac{dx}{x^2 - 5x + 6}$

(d)  $\int \frac{2dx}{x^2 \sqrt{16 - 9x^2}}$