King Fahd Univ. of Petroleum and Minerals
Faculty of Sciences
Department of Mathematics and Statistics

QUIZ No. 1

(MATH. 102-111 Section 2)

Name:
ID:

Prob. 1
Compute $\int_1^2 t^2 e^{t^3} dt$

Prob. 2
Find

$$\lim_{x \to 0} \frac{\int_0^{3x} \sin^3 t\, dt}{\sin^4 x}$$