

King Fahd Univ. of Petroleum and Minerals  
Faculty of Sciences  
Department of Mathematical Sciences

QUIZ No. 1  
(MATH. 102-051 Sections 4)

**Name:**  
**ID:**

**Prob. 1**  
Evaluate

$$\int \frac{1}{x\sqrt{3x^2 - 1}} dx$$

**Prob. 2**  
Find

$$\int 3^{4x} dx$$

**Prob. 3**  
Find

$$\int \sin^5 5x dx$$