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

QUIZ No. 1  
(MATH. 101-121 Section 9)

Name:
ID:

**Prob. 1**  
Use the definition to find the derivative of  

\[ f(x) = \frac{1}{2}x^3 - 2x \]

**Prob. 2**  
Compute the derivative of  

\[ \frac{5\sqrt{t^3}}{1 - e\sqrt{t} + e^{4t}} \]