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

QUIZ No. 2  
(MATH. 102-072 Section 2)  

Name:  
ID:  

**Prob. 1**  
Find the integral  
\[ \int \tan^5 w \sec^7 w \, dw \]  

**Prob. 2**  
Compute  
\[ \int \frac{x}{\sqrt{3 - 2x - x^2}} \, dx \]