

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

QUIZ No. 3  
(MATH. 101-041 Sections 18)

**Name:**

**ID:**

**Prob. 1**

Find an approximation for  $\Delta y$

$$y = \frac{x}{x^2+1}, x = 2 \text{ to } x = 1.96$$

**Prob. 2**

Estimate  $\sqrt{36.03}$