

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

QUIZ No. 1  
(MATH. 102-043 Sections 1 & 2)

**Name:**

**ID:**

**Prob.** Let  $y = 2x^2 + 1$

- (a) Find the left end, right end, midpoint approximation for  $n = 10$
- (b) Find the exact area using limits