

King Fahd University of Petroleum & Minerals  
Department of Mathematics and Statistics  
(Semester 121) Math 101 Quiz # 4

Name: \_\_\_\_\_ I.D. # \_\_\_\_\_ Sr. # \_\_\_\_\_

1. If  $xy + y^2 = 1$ , find  $y''$ .
2. If  $y = (\ln x)^{\ln x}$ , find  $y'$ .