

King Fahd University of Petroleum and Minerals  
Department of Mathematics and Statistics  
Math 301                      Quiz 1  
First Semester 2008–2009(081)

---

Name: \_\_\_\_\_

ID #: \_\_\_\_\_

Sec#: \_\_\_\_\_

---

1. Find a parametrization of part of the unit circle  $x^2 + y^2 = 1$  in the first quadrant, with initial point  $(0, 1)$  and final point  $(1, 0)$ .
2. Evaluate  $\int (x^2 + y^2)dx - 2xy dy$  on the closed curve  $C$ :

