

King Fahd University of Petroleum and Minerals
Department of Mathematical Sciences
Semester I, 2004-2005(041)
MATH 201
Quiz 3

Student Name: _____

Student ID: _____

Section: _____

1. Use a chain rule to find $\left. \frac{\partial z}{\partial \theta} \right|_{r=2, \theta=\pi/6}$, if $z = xy e^{x/y}$, $x = r \cos \theta$, $y = r \sin \theta$.