

King Fahd University of Petroleum and Minerals
Department of Mathematics and Statistics
Math 201 Quiz 2
First Semester 2009–2010(092)

Name: _____

ID #: _____

Sec#: _____

1. (a) Find traces of the surface $z = x^2 + 4y^2$ in the (x, y) -plane, (y, z) -plane, (z, x) -plane and the plane $z = 1$.
(b) Sketch the surface $z = x^2 + 4y^2$.
2. Identify the surface

$$x^2 - y^2 + z^2 - 4x - 2y - 2z + 4 = 0.$$