

King Fahd University of Petroleum and Minerals
Department of Mathematics and Statistics
Math-201 Semester-112 QUIZ III

NAME:

S.No.

ID:

Maximum Marks: 10

Section:04

Time Allowed: 25 minutes

(1) Find the symmetric equations for the line of intersection of the planes $x+y-z = 2$ and $3x - 4y + 5z = 6$.

(2) Identify and sketch the quadratic surface

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