

King Fahd University of Petroleum and Minerals
Department of Mathematics and Statistics
Math 201 - Quiz 3

Name:

Student ID #:

Question 1. Find the parametric equations for the line in which the planes $3x - 6y - 2z = 15$ and $2x + y - 2z = 1$ intersect.

QUESTIONS 2 AND 3 ARE ON THE BACK OF THE PAGE.

Question 2. Find the distance from the point $S(1, 1, 3)$ to the line $\frac{x-1}{2} = \frac{y-2}{3} = \frac{z-3}{4}$.

Question 3. Identify the quadratic surface $x^2 + 2y^2 - 4z^2 + 2x + 4y + 3 = 0$.