KING FAHD UNIVERSITY OF PETROLEUM AND MINERALS
DEPARTMENT OF MATHEMATICS & STATISTICS
MATH 201
Quiz # 3
March 13, 2014

NAME:	ID#:

SHOW ALL YOUR WORK

1. **(3points)** Find the parametric equations of the line that passes through the points $(1,2,1)\,,(1,0,1)\,.$

2. **(3points)** Find the equation of the plane through the points $(1,2,1)\,,(1,0,1)\,,(0,0,0)\,.$

3. **(4points)** Find (if possible) the parametric equations of the line of intersection of the two planes $x+y+z=2, 2x-y+3z=-7$.