

# Math 3113 - Multivariable Calculus

Quiz #3 - 2006.02.06

Name: \_\_\_\_\_

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1. Find the equation of the plane which passes through the points  $P(2, 3, 1)$ ,  $Q(-2, 0, 4)$  and  $R(-1, 1, -0)$ .

2. Find the symmetric equations for the line of intersection of the two planes  $x + y + z = 1$  and  $x - 2y + 3z = 1$ .