

# King Fahd University of Petroleum and Minerals

MATH 201 QUIZ #2 Term 152

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Name:

section:

ID:

**Q1.** Find an equation of the plane through the points  $P(1,2,-1)$ ,  $Q(-1,0,3)$ , and  $R(0,3,-2)$ .

**Q2.** Find an equation of the plane that passes through the point  $A = (-1, 2, 1)$  and contains the line of intersection on the two planes  $2x + y - z = 2$  and  $x - y + 3z = 1$ .