

## Quiz 2

Name: \_\_\_\_\_/Id: \_\_\_\_\_/Serial # \_\_\_\_Section \_\_\_\_\_

- 1) Find the equation of the plane passing through the points  $(1,0,0)$ ,  $(0,1,0)$ ,  $(1,1,2)$ .  
(5-points)
- 2) Find equation of the plane that passes through the point  $(-1,2,3)$  and is perpendicular to the line  $x = 1 + t$ ,  $y = 2 + t$ ,  $z = -3$  (3 points)
- 3) Find parametric equations for the line that passes through  $P(1,-2,3)$  and is perpendicular to the  $(x, z)$ -plane (2 points)