Panel 2

Name: _____

Quiz #4

① True or false:

a) $P(1,2,3)$ is on the plane $3x + 2y - z = 4$

b) $P(2,3,1)$ is on the line $\ell(t) = \langle 1,1,2 \rangle + t\langle 1,2,1 \rangle$

② Find the intersection between the line $\ell(t) = \langle -1,0,3 \rangle + t\langle 2,-1,1 \rangle$ and the plane $x + 2y - z = 0$

2

Panel 3

③ Find distance between:

a) $P(2,-5,5)$ and plane $x - 2y - 2z = 0$

b) $P(0,1,0)$ and line $\ell(t) = t\langle 1,2,-1 \rangle$

3