1. (3 points) Find the area of the triangle with vertices $P(-1, 0, 2)$, $Q(0, 0, 3)$ and $R(7, 4, 3)$.

2. (3 points) Find an equation of the plane that passes through the above three points.
3. (4 points) Find the distance from the point $(1, -2, 4)$ to the given line $L$.

$L : x = 1 + t, \quad y = 3 - 2t, \quad z = 4 - 3t \quad (1)$