

Each problem is worth 0 points. In the event of an actual quiz, you would have received warning.

1. Write an equation for the plane parallel to the plane $-3x + 2y - 5z = 14$ and passing through the point $(2,7,0)$.
2. Write a vector equation for the line perpendicular to the plane $-3x + 2y - 5z = 14$ and passing through the point $(2,7,0)$.
3. Write an equation for the plane passing through the points $(1,0,0)$, $(0,2,0)$, and $(0,0,3)$.