

Quiz 2 – MATH 3503 Fall 2022

1. Find the equation of the line between  $(1, 2, 1)$  and  $(3, -1, 4)$ .
2. Find the equation of the plane containing  $(1, 2, 3)$  with normal vector  $\vec{n} = \langle 1, 1, 6 \rangle$ .
3. Find an equation for a plane parallel to  $2x - 3y + z = 4$  containing the point  $(1, -5, 2)$ .