

Applied Math I - Quiz 2

Name: _____

Box # _____

1. Solve the following system of equations by elimination and then back substitution. Show all the steps.

$$\begin{aligned}x + 3y + 3z &= 6 \\2x + 3y + 3z &= 1 \\3x + 6y + 10z &= 5\end{aligned}$$

2. Solve the system

$$2x + 3y + 3z = 6$$

$$4x + 2y + 3z = 1$$

It is a line in three space. Where does it pierce the yz -plane?