

Problem 1: Solve the following system of linear equations, by elimination:

$$\begin{aligned}x + y &= 2 \\4x + y &= 5\end{aligned}$$

Problem 2: The following system of linear equations cannot be uniquely solved using elimination. Why not?

$$\begin{aligned}x + y &= 2 \\2x + 2y &= 4\end{aligned}$$