

The solutions to the first and second problem will be your first pdf.

1. Solve the system
$$\begin{cases} x + 2y + 2z = 13 \\ 2x - y + z = 9 \\ 2x - y - z = 1 \end{cases}$$
 using elimination as discussed in lecture 0.

2. Rewrite the system from the first problem in terms of multiplied matrices and vectors as was done in lecture 0.

The solution to the CAS problem will be your second pdf.

3. CAS problem: Use the representation of the system in problem two and your CAS to solve the system of equations in problem one. Refer to work done in lecture 0.

Merge the pdfs in order and submit to Canvas. The merging and submission are worth two points.

Answer:

1. $x = 3$, $y = 1$, and $z = 4$