

Null SpacesProblem Sheet, Friday 11.08.2023 (Room U358)

Question: Find the solution set for the following systems of linear equations :

$$1) \begin{cases} x - y + 2z = 2 \\ 2x - 2y + 4z = 4 \\ 3x - 3y + 6z = 8 \end{cases}$$

$$2) \begin{cases} x + 2y + 3z = 2 \\ 2x + 3y + z = -3 \\ 3x + y + 2z = 7 \end{cases}$$

$$3) \begin{cases} 2x + 3y - z = 5 \\ 4x - 6y + 2z = 10 \\ 6x + 9y - 3z = 15 \end{cases}$$