

Exercise 1 Find all solutions (if any) to the system.

$$\begin{array}{rclcrcl} x & + & 2y & - & z & = & 2 \\ 2x & + & 5y & - & 3z & = & 1 \\ x & + & 4y & - & 3z & = & 3 \end{array}$$

$$(\dots, \dots, \dots)$$

If the system is inconsistent, type DNE in each answer cell.

Source

[Nicholson] W. Keith Nicholson, *Linear Algebra with Applications*, Lyryx 2021, Open Edition, Problem 1.2.5 (d).