

Overdetermined and Underdetermined Systems

What to do if...

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Underdetermined Systems

2.2-2.3

Example

Solve the following system of equations. If there are infinitely-many solutions, write your answer in terms of a parameter “t”.

$$\begin{aligned}x - 2y + z &= 6 \\ -3x + 6y + 3z &= 0 \\ 5x - 10y - z &= 12\end{aligned}$$

