

Quiz

Task 1

Find the values of k for which the system:

$$\begin{cases} x + ky = 1 \\ kx + y = 1 \end{cases}$$

1. has no solution
2. has exactly one solution
3. has infinitely many solutions
4. When there is exactly one solution, find x and y

Task 2

Suppose matrix A is transformed into matrix B by means of an elementary row operation. Is there an elementary row operation that transforms B into A ? Explain.