

Number:
Title:

Textbook Section:

Express each system as a matrix equation of the form $AX = B$. Then solve the system using the inverse of a matrix, if possible.

1.
$$\begin{cases} 2x - 5y = 15 \\ 3x - 6y = 36 \end{cases}$$

2.
$$\begin{cases} -3x + \frac{1}{2}y = 2 \\ 6x - y = 4 \end{cases}$$

3.
$$\begin{cases} 3x + 3y + z = 1 \\ x + 2y + z = 0 \\ 2x - y + z = 4 \end{cases}$$