

Number:

Textbook Section:

Title:

1. Solve the system using the indicated technique. (This is done two ways in the video.)

$$\begin{cases} 3x - 6y = 9 \\ 2x + y = -4 \end{cases}$$

by elimination

using an augmented matrix

Solve the system using an augmented matrix. Give the complete solution.

2.
$$\begin{cases} 3x - 4y = 12 \\ 8y - 6x = 9 \end{cases}$$

$$3. \begin{cases} x - y + 3z = 4 \\ x + 2y - 2z = 10 \\ 3x - y + 5z = 14 \end{cases}$$

$$4. \begin{cases} x + 4y - 2z = -3 \\ 2x - y + 5z = 12 \\ 8x + 5y + 11z = 30 \end{cases}$$