

## RESUELVE EL SIGUIENTE SISTEMA DE ECUACIONES

$$9x + 3y - 4z = 8$$

$$3x + y - 2z = 15$$

$$2x - 3y + 2z = 14$$

**1° Paso:** Forma las matrices:

|  |  |  |
|--|--|--|
|  |  |  |
|  |  |  |
|  |  |  |

|  |
|--|
|  |
|  |
|  |

=

|  |
|--|
|  |
|  |
|  |

2° Paso: Plantear las determinantes para cada variable.

X =

y =

z =

**3° Paso:** Calcular las determinantes y los valores de cada variable.

The diagram illustrates a transformation from a 3x3 grid to a 2x2 grid. On the left, a 3x3 grid is shown with a red border. The top row of the grid is highlighted with a red border. To the left of the grid is a red 'X' followed by an equals sign. Two blue arrows point from the grid to the right, where a 2x2 grid is shown. The top row of the 2x2 grid is highlighted with a red border. To the left of the 2x2 grid is a red 'X' followed by an equals sign. To the right of the 2x2 grid is another red 'X' followed by an equals sign, and then a single empty box.

**3° Paso:** Calcular las determinantes y los valores de cada variable.

$y = \frac{\begin{vmatrix} \square & \square & \square \\ \square & \square & \square \\ \square & \square & \square \end{vmatrix}}{\begin{vmatrix} \square & \square & \square \\ \square & \square & \square \\ \square & \square & \square \end{vmatrix}}$

$y = \frac{\square}{\square}$

$y = \square$

**3° Paso:** Calcular las determinantes y los valores de cada variable.