Gauss Elimentian Method.

1. Solve the following equations (system of equations) by the process of elimination.

The argnested matrix is siver by.

$$\begin{pmatrix}
3 & 2 & 1 & | & 10 \\
2 & 3 & 2 & | & 14 \\
1 & 2 & 3 & | & 14
\end{pmatrix}$$

$$\begin{pmatrix}
3 & 2 & 1 \\
2 & 3 & 2 \\
| & 2 & 3
\end{pmatrix}
\begin{pmatrix}
\chi \\
y \\
2
\end{pmatrix}
= \begin{pmatrix}
10 \\
14 \\
14
\end{pmatrix}$$

$$\frac{3}{0} = \frac{2}{3} + \frac{1}{3} = \frac{1}{22}$$

$$\frac{5}{3} = \frac{4}{3} = \frac{22}{3}$$

$$\frac{22}{3} = \frac{72}{15} = \frac{72}{15} = \frac{7}{5} = \frac{$$

By back substitution method, $\frac{29}{15} Z = \frac{72}{15} \Rightarrow Z = 3$ 号7十号マニ号シソニン

$$3x + 2y + 2 = 10$$
 \Rightarrow $x = 1$