$$\begin{array}{c}
x + 3y - 2z = 3 \\
x + y + 2z = 0 \\
3x - y - z = -1
\end{array}$$

a) 
$$\frac{7}{5}$$
 pueden déjurse los coeficientes como están.  
De corde mos que  $-2=3$  en  $\frac{7}{5}$  ...  $\frac{7}{5}$  ...

$$\begin{bmatrix}
1 & 3 & -2 & 3 \\
1 & 1 & 2 & 0 \\
3 & -1 & -1 & -1
\end{bmatrix}$$

$$\begin{bmatrix}
1 & 4 & 2 & 0 \\
4 & 3 & -2 & 3 \\
3 & -1 & -1 & -1
\end{bmatrix}$$

$$\begin{bmatrix}
1 & 4 & 2 & 0 \\
4 & 3 & -2 & 3 \\
3 & -1 & -1 & -1
\end{bmatrix}$$

$$\begin{bmatrix}
1 & 1 & 2 & 0 \\
6 & 1 & 3 & 4
\end{bmatrix}$$

$$\begin{bmatrix}
1 & 1 & 2 & 0 \\
0 & 1 & 3 & -1
\end{bmatrix}$$

$$\begin{bmatrix}
1 & 1 & 2 & 0 \\
0 & 1 & 3 & -1
\end{bmatrix}$$

$$\begin{bmatrix}
1 & 1 & 2 & 0 \\
0 & 1 & 3 & -1
\end{bmatrix}$$

$$\begin{bmatrix}
1 & 1 & 2 & 0 \\
0 & 1 & 3 & -1
\end{bmatrix}$$

$$\begin{bmatrix}
1 & 1 & 2 & 0 \\
0 & 1 & 3 & -1
\end{bmatrix}$$

$$\begin{bmatrix}
1 & 1 & 2 & 0 \\
0 & 1 & 3 & -1
\end{bmatrix}$$

$$\begin{bmatrix}
1 & 1 & 2 & 0 \\
0 & 1 & 3 & -1
\end{bmatrix}$$

$$\begin{bmatrix}
1 & 1 & 3 & 4 & 1 \\
0 & 1 & 3 & -1
\end{bmatrix}$$

$$\begin{bmatrix}
1 & 1 & 3 & 4 & 1 \\
0 & 1 & 3 & -1
\end{bmatrix}$$

$$\begin{bmatrix}
1 & 1 & 3 & 4 & 1 \\
0 & 1 & 3 & -1
\end{bmatrix}$$

$$\begin{bmatrix}
1 & 1 & 3 & 4 & 1 \\
0 & 1 & 3 & -1
\end{bmatrix}$$

$$\begin{bmatrix}
1 & 1 & 3 & 4 & 1 \\
0 & 1 & 3 & -1
\end{bmatrix}$$

$$\begin{bmatrix}
1 & 1 & 3 & 4 & 1 \\
0 & 1 & 3 & -1
\end{bmatrix}$$

$$\begin{bmatrix}
1 & 1 & 3 & 4 & 1 \\
0 & 1 & 3 & -1
\end{bmatrix}$$

$$\begin{bmatrix}
1 & 1 & 3 & 4 & 1 \\
0 & 1 & 3 & -1
\end{bmatrix}$$

Solution:  

$$\frac{1}{1}$$
 (1,4,0); (2,3,4); (3,0,2);  
 $\frac{1}{1}$  (1,4,0); (2,3,4); (3,0,2);  
 $\frac{1}{1}$   $\frac{1}$   $\frac{1}{1}$   $\frac{1}{1}$   $\frac{1}{1}$   $\frac{1}{1}$   $\frac{1}{1}$   $\frac{1}$   $\frac{1$ 

b) 
$$\frac{7L_{7}}{2}$$

$$\begin{bmatrix}
1 & 3 & -2 & | & 3 \\
1 & 1 & 2 & | & 0 \\
3 & -1 & -1 & | & -1
\end{bmatrix}$$

$$\begin{bmatrix}
1 & 1 & 2 & | & 0 \\
4 & 3 & -2 & | & 3 \\
3 & -1 & -1 & | & -1
\end{bmatrix}$$

$$\begin{bmatrix}
1 & 1 & 2 & | & 0 \\
4 & 3 & -2 & | & 3 \\
3 & -1 & -1 & | & -1
\end{bmatrix}$$

$$\begin{bmatrix}
1 & 1 & 2 & | & 0 \\
4 & 3 & -2 & | & 3 \\
3 & -1 & -1 & | & -1
\end{bmatrix}$$

$$\begin{bmatrix}
1 & 1 & 2 & | & 0 \\
4 & 3 & -2 & | & 3 \\
5 & -1 & -1 & | & -1
\end{bmatrix}$$

$$\begin{bmatrix}
1 & 1 & 2 & | & 0 \\
4 & 3 & -2 & | & 3 \\
5 & -1 & -1 & | & -1
\end{bmatrix}$$

$$\begin{bmatrix}
1 & 1 & 2 & | & 0 \\
4 & 3 & -2 & | & 3 \\
5 & -1 & -1 & | & -1
\end{bmatrix}$$

$$\begin{bmatrix}
1 & 3 & -2 & | & 3 \\
4 & 3 & -2 & | & 3
\end{bmatrix}$$

$$\begin{bmatrix}
1 & 1 & 2 & | & 0 \\
4 & 3 & -2 & | & 3
\end{bmatrix}$$

$$\begin{bmatrix}
1 & 3 & -2 & | & 3 \\
4 & -1 & -1 & | & -1
\end{bmatrix}$$

$$\begin{bmatrix}
1 & 3 & -2 & | & 3 \\
2 & -1 & -1 & | & -1
\end{bmatrix}$$