$$(v) - x_2 + 5(2) = 9$$

(vi) 
$$x_1 + 1 + 2(x) = 8$$

$$\begin{bmatrix} 2 & 2 & 2 & 0 \\ 0 & 7 & 4 & 1 \\ 8 & 1 & 4 & -1 \end{bmatrix} \begin{bmatrix} 2 & 2 & 2 & 0 \\ 0 & 7 & 4 & 1 \\ 0 & -7 & 4 & -1 \end{bmatrix}$$

$$\begin{bmatrix} 2 & 2 & 2 & 0 \\ 0 & 7 & 4 & 1 \\ 0 & 0 & 0 & 0 \end{bmatrix} \begin{bmatrix} 1 & -\frac{3}{4} & 0 & | & -\frac{1}{4} \\ 0 & 7 & 4 & | & 1 \end{bmatrix}$$

(V) 
$$\chi_1 - \frac{3}{4} \chi_2 = -\frac{1}{4}$$
  
 $7\chi_1 + 4\chi_3 = 1$ 

$$(v) \times_{1} - \frac{3}{4} \times_{2} = -\frac{1}{4} \quad (vi) \times_{1} = -\frac{1}{4} + \frac{3}{4} \times_{2}$$
 $7 \times_{3} + 4 \times_{3} = 1 \qquad \times_{3} = \frac{1}{4} - \frac{7}{4} \times_{2}$ 
 $\times_{2} \times_{2} \quad \text{Man + infair torderinis}$ 

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

(iv) 
$$\frac{b_1}{3} \cdot b_2$$
;  $\frac{b_4}{3} \cdot b_4$ 

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

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

$$\begin{bmatrix} 3 & 6 & -3 & | & -2 \\ 0 & -2 & 3 & | & 1 \\ 6 & 6 & 3 & | & 5 \end{bmatrix} \qquad \begin{bmatrix} 3 & 6 & -3 & | & -2 \\ 0 & -2 & 3 & | & 1 \\ 0 & -6 & 9 & | & 9 \end{bmatrix}$$

(iii) 
$$b_3 - (3 \cdot b_2) = b_3$$
  
 $\begin{bmatrix} 3 & 6 & -3 & | & -2 \\ 0 & -2 & 3 & | & 1 \\ 0 & 0 & 0 & | & 6 \end{bmatrix}$ 

(iii) 
$$b_3 - (3.b_2) = b_3$$
 (iv)  $3a + 6b - 3c = -2$   
 $-2b + 3c = 1$   
 $0 - 2 = 3$   
 $0 = 6$