0.5
$$\times 1 - \times 2 = -9.5$$

1.0 $\times 2 \times 1 - 2 \times 2 = -18.8$
A) $\times 2 = 0.5 \times 1 + 9.5$
 $\times 2 = (1.02 \times 1 + 18.8) / 2$
 $\times 1 = 10 / \times 2 = 14.5$
 $\times 1 = 10 / \times 2 = 14.5$

b) det [0.5 -1]

= 0.02

= (0.5.-2) - (-1.1.02)

$$\begin{cases} 1.05 - 1 - 9.5 \\ 1.02 - 2 - 18.8 \end{cases}$$

$$\begin{cases} 1.02 & | -18.8 \\ | -18.8 \end{cases}$$

$$0.5 \times 1 = 5$$
 $0.04 \times 2 = 0.58$
 $\times 1 = 10$ $\times 2 = 14.5$

e)
$$\begin{bmatrix} 0.52 & -1 & -9.5 \\ 1.02 & -2 & -18.8 \end{bmatrix}$$

 $\begin{bmatrix} 22 - 1.02 & 70.52 & -1 & -9.5 \end{bmatrix}$

$$R_{2} - \frac{1.02}{0.52}R_{1} \rightarrow \begin{bmatrix} 0.52 & -1 & -9.5 \\ 0 & \frac{1}{26} & -\frac{43}{200} \end{bmatrix}$$

$$-\frac{1}{26}X_{2} = -\frac{43}{260} \rightarrow X_{2} = 4.3$$

$$0.5_{2} \times_{1} = -4.3 = -9.5$$

$$0.5_{2} \times_{1} = -5.2 \rightarrow X_{1} = -10$$

$$X_{1} = -10, X_{2} = 4.3$$