1.)

$A = \begin{bmatrix} 8,5,0 \\ 0 & 0 & 8 \\ -5 & -8 & \cdot 8 \end{bmatrix}$

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

$A+B =$
$8+0+8+4+1+4$
$16 + 8 +1 = 24+1 = 25$

2) $\begin{bmatrix} 6 & 2 & 0 \\ 0 & 0 & 6 \\ -2 & -6 & 6 \end{bmatrix}$

$B \begin{bmatrix} 9 & 0 & 4 \\ 8 & 1 & 0 \\ -4 & 8 & 9 \end{bmatrix}$

$\begin{bmatrix} 12 & 4 & 0 \\ 0 & 0 & 12 \\ -4 & 12 & 12 \end{bmatrix}$
$\begin{array}{c} 4 \\ -8 \\ 4 \end{array}$ → erro   → certo $\begin{array}{c} 3 \\ -8 \\ 0 \end{array} = -5$

3) $\begin{bmatrix} 7 & 6 & 0 \\ -5 & 0 & 5 \end{bmatrix}$ $\begin{bmatrix} -6 & 6 \\ 5 & 0 \\ 6 & 7 \end{bmatrix}$

$CD \begin{bmatrix} (-42+30+0) & (42+0+0) \\ (30+0+30) & (-30+0+35) \end{bmatrix}$ $\begin{bmatrix} -12 & 42 \\ 60 & 5 \end{bmatrix} = 95$

4)

$$\left.1\begin{matrix} 2 & -2 & 0 \\ 0 & 2 & 0 \\ 4 & 4 & 7 \end{matrix}\right|\begin{matrix} 1 & 0 & 0 \\ 0 & 1 & 0 \\ 0 & 0 & 1 \end{matrix} \qquad 2l_1 - l_3$$

$$\left.\begin{matrix} 2 & -2 & 0 \\ 0 & 2 & 0 \\ 0 & -8 & -7 \end{matrix}\right|\begin{matrix} 1 & 0 & 0 \\ 0 & 1 & 0 \\ 2 & 0 & -1 \end{matrix} \qquad \begin{matrix} 4l_2 + l_3 \\ l_1 - l_2 \end{matrix}$$

$$\left.\begin{matrix} 2 & 0 & 0 \\ 0 & 2 & 0 \\ 0 & 0 & -7 \end{matrix}\right|\begin{matrix} 1 & -1 & 0 & :2 \\ 0 & 1 & 0 & :2 \\ 2 & 4 & -1 & :-7 \end{matrix}$$

$$\left.\begin{matrix} 1 & 0 & 0 \\ 0 & 1 & 0 \\ 0 & 0 & 1 \end{matrix}\right|\begin{matrix} 1/2 & 1/2 & 0 \\ 0 & 1/2 & 0 \\ -2/7 & 4/7 & 1/7 \end{matrix}$$

4a) $2 : 7 = -0,28$

b) $-4 : 7 = -0,57$

c) $0,5 + 0,5 + 0,14 = 1,14$