(1)

$$\begin{vmatrix} 2 & 3 & -4 \\ 0 & -4 & 2 \\ 1 & -1 & 5 \end{vmatrix} = \begin{vmatrix} 0 & 5 & -14 \\ 0 & -4 & 2 \\ 1 & -1 & 5 \end{vmatrix} = 1 \cdot \begin{vmatrix} 5 & -14 \\ -4 & 2 \end{vmatrix}$$

$R_1 \to R_1 + (-2)R_3$

$= 10 - (-24)$

$= 10 - 56 = -46$

(2)

$$\begin{vmatrix} 2 & 0 & 1 \\ 3 & 2 & -3 \\ -1 & 3 & 5 \end{vmatrix} = \begin{vmatrix} 0 & 6 & 11 \\ 0 & 11 & 12 \\ -1 & 3 & 5 \end{vmatrix}$$

$R_1 \to R_1 + 2R_3$

$R_2 \to R_2 + 3R_3$

$$= (-1)\begin{vmatrix} 6 & 11 \\ 11 & 12 \end{vmatrix} = (-1)(72 - 121) = 49$$