adica
$$\begin{cases} y_{1}(x) = c_{1}(\frac{1}{10}\cos(3x) - \frac{3}{10}\sin(3x)) + c_{2}(\\ y_{2}(x) = \frac{c_{1}}{5}\cos(3x) + \frac{c_{2}}{5}\sin(3x) \end{cases}$$

Tema:

c)
$$\{y_1' = y_1 + y_2 \}$$

 $\{y_2' = -2y_1 + y_2\}$

$$d) \begin{cases} y_1' = y_1 - y_2 \\ y_2' = y_1 + y_2 \end{cases}$$

sol, la fil ca la Tema EX.1e)

$$(x)$$
 $(y) = 2y_1 - y_2$
 $(y) = 3y_1 - 2y_2$