MATH 304 Exam 2 Prep

Question 1

Find the general solution of each of the following systems:

a.
$$\begin{cases} y_1 + y_2 = y_1' \\ -2y_1 + 4y_2 = y_2' \end{cases}$$

b.
$$\begin{cases} y_1 - y_2 = y_1' \\ y_1 + y_2 = y_2' \end{cases}$$

c.
$$\begin{cases} y_1 + y_3 = y_1' \\ 2y_2 + 6y_3 = y_2' \\ y_2 + 3y_3 = y_3' \end{cases}$$