$$\begin{cases} 2x_1 + 3x_2 - x_3 = 5 \\ 4x_1 + 4x_2 - 3x_3 = 3 \\ 2x_1 - 3x_2 + x_3 = -1 \end{cases}$$

$$\begin{cases} 3x_{1} + 3x_{2} - x_{3} = 5 \\ 0 - 2x_{2} - x_{3} = -7 \\ 0 - 6x_{2} + 2x_{3} = -6 \Rightarrow k_{3} - (-\frac{6}{-2})^{\frac{1}{2}} \\ k_{3} - 3k_{2} \end{cases}$$

$$\begin{cases} 3x_{1} + 3x_{2} - x_{3} = 5 \\ 0 - 2x_{2} - x_{3} = -7 \\ 0 + 0 + 5x_{3} = -15 \\ 0 - 2x_{2} - 3 = -7 \\ 0 + 0 + 5x_{3} = -15 \\ 0 - 2x_{2} - 3 = -7 \\ 0 -$$

$$\chi_3 = 3$$
 $\chi_3 = 3$

$$2x_1 + 6 - 3 = 5$$
 $x_1 = 1$