Q.1: Find the general solution of the system and write it as a column matrix or sum of column matrices

\[-3x_1 + x_2 - x_3 + x_4 + x_5 = 0\]
\[x_2 + x_3 + 4x_5 = 0\]
\[-3x_3 + 2x_4 + x_5 = 0\]

Q.2: Find the general solution of the system or show that it has no solution

\[-4x_1 + 5x_2 - 6x_3 = 2\]
\[2x_1 - 6x_2 + x_3 = -5\]
\[-6x_1 + 16x_2 - 11x_3 = 1\]