Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ ID\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Group\_\_\_\_\_\_\_\_\_

1. For the following linear system of equations, write down its augmented matrix, solve the system using the Gauss-Jordan reduction method to obtain the reduced echelon form, identify the leading and free variables and describe the solution set (identify particular and homogeneous part of the solution).
2. Decide if these two matrices are row equivalent.