TUTORIAL 2

Solve the following equations using Gauss – Jordan method.

$2x_1 + 2x_2 - x_3 + x_4 = 4$, $4x_1 + 3x_2 - x_3 + 2x_4 = 6$,

$8x_1 + 5x_2 - 3x_3 + 4x_4 = 12$, $3x_1 + 3x_2 - 2x_3 + 2x_4 = 6$.

Solve the following system of equation using Gauss-Seidel iteration method. $8x - 3y + 2z = 20$, $6x + 3y + 12z = 35$,

$4x + 11y - z = 33$

Solve the following System of equations using Gauss – Seidel method $27x + 6y - z = 85$, $6x + 15y + 2z = 72$,

$x + y + 54z = 110$.