Math 1010 April 10, 2017 Homework 28

Try 8.1 # 21-30 odds

Write each system as an augmented matrix, then solve using Gaussian elimination or Gauss-Jordan elimination as per example 5 or example 6.

1. $\begin{cases} 2x + y = 1 \\ 3x - y = 9 \end{cases}$

2. $\begin{cases} x - y + z = -5 \\ 3x + y + 2z = -5 \\ 2x - y - z = -2 \end{cases}$

3. $\begin{cases} 4x + y - z = -1 \\ x - y + 2z = 3 \\ -x + 2y - z = 0 \end{cases}$