

Math 1010 April 5, 2017 Homework 26

Text problems: 7.3 # 1-9 odds

1) Solve using Gaussian elimination, here just back-substitution.

$$\begin{cases} 2x + 4y + 5z = 13 \\ y - 3z = -7 \\ z = 3 \end{cases}$$

2) Solve using Gaussian elimination, here just back-substitution.

$$\begin{cases} 4x - 3y - z = -7 \\ 7y + 2z = 8 \\ 6z = -18 \end{cases}$$

3) Solve the following system using Gaussian elimination.

$$\begin{cases} 2x + y - 3z = 7 \\ x - 2y + 3z = 1 \\ 3x + 4y - 3z = 13 \end{cases}$$