Math 16-811 - HW1

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1 Question 1

implemented code:

 $1 \mid x = 1;$

2 Question 2

$$A = \begin{pmatrix} 4 & 7 & 0 \\ 2 & 2 & -6 \\ 1 & 2 & 1 \end{pmatrix} \tag{1}$$

Let L = I, A' = A

$$apply operation A = \begin{pmatrix} 4 & 7 & 0 \\ 0 & -\frac{3}{2} & -6 \\ 1 & 2 & 1 \end{pmatrix}$$
 (2)

$$L = \begin{pmatrix} 1 & 0 & 0 \\ \frac{1}{2} & 1 & 0 \\ 0 & 0 & 1 \end{pmatrix} \tag{3}$$

- 3 Question 3
- 4 Question 4
- 5 Question 5