MAT216: Linear Algebra and Fourier Analysis

Section 1

Quiz

Total Marks: 30 marks

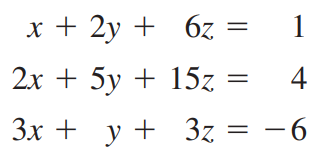
Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Student ID: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Q1:** Find the **LU-factorization** of the matrix.

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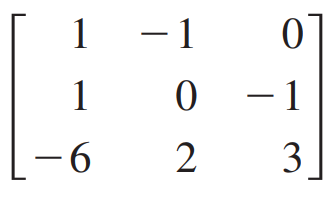
[10 Marks]

**Q2:** Solve the system using Gauss-Jordan elimination



[10 Marks]

**Q3:** Find the inverse of the matrix.



[10 Marks]