

Mohammad Ali Jinnah University

Chartered by Government of Sindh - Recognized by HEC

**Assignment 4**

**Name:** Muhamad Fahad

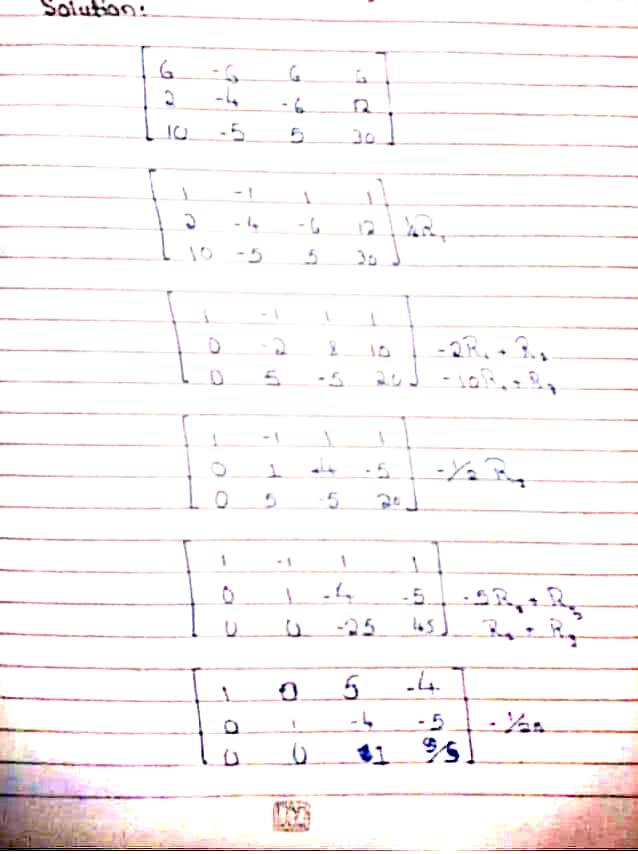
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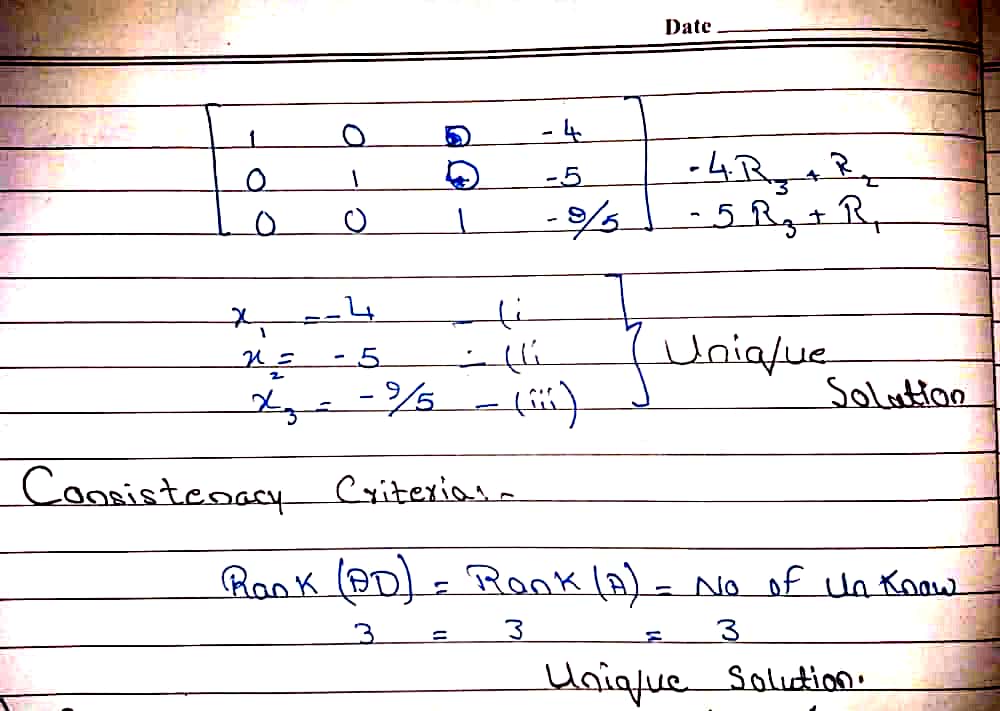
**Subject:** [Linear Algebra (Fall 2020)](https://classroom.google.com/u/0/c/MTgxNTU3ODEwMjQw)

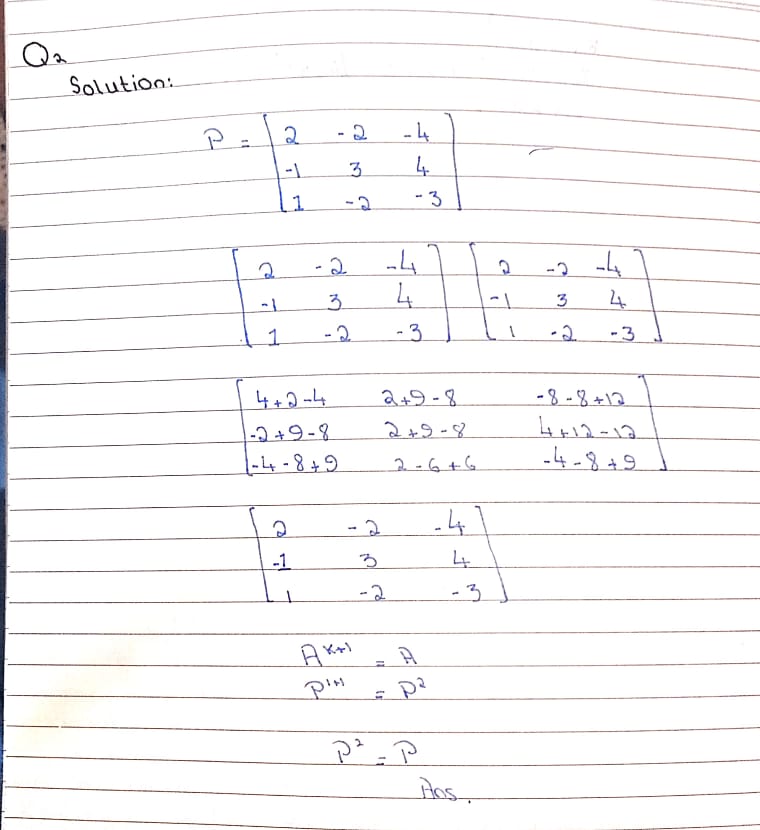
**Section:** AM

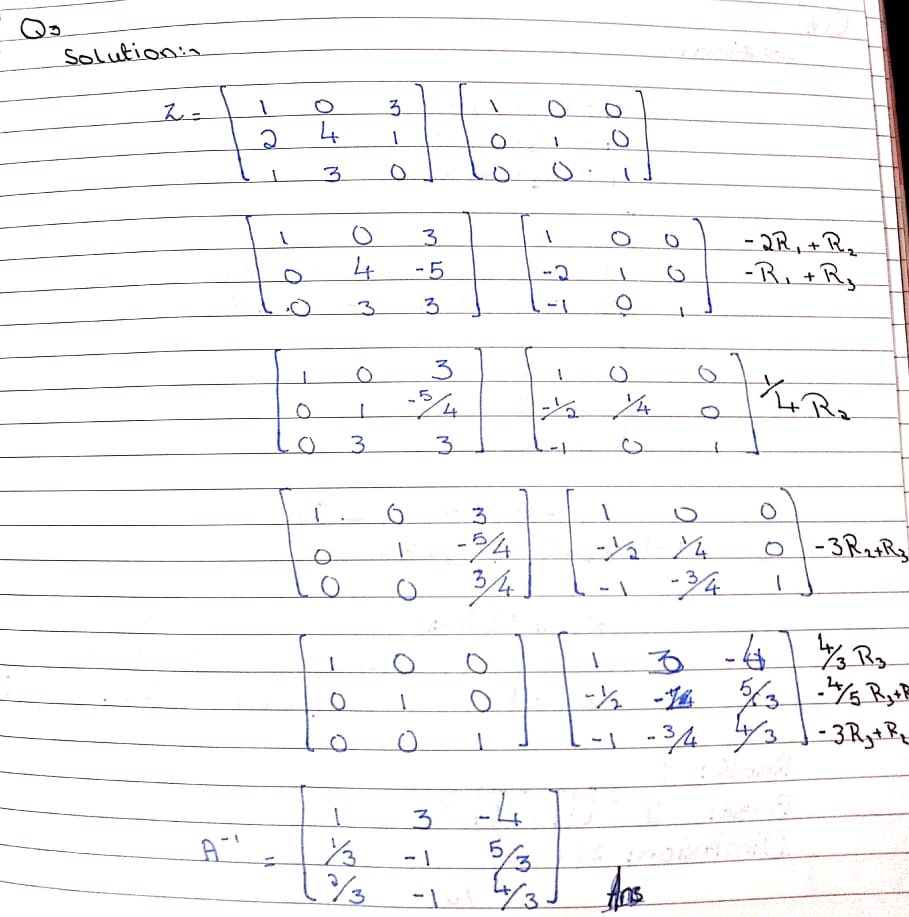
**Teacher:** Dr. Asmat Ara

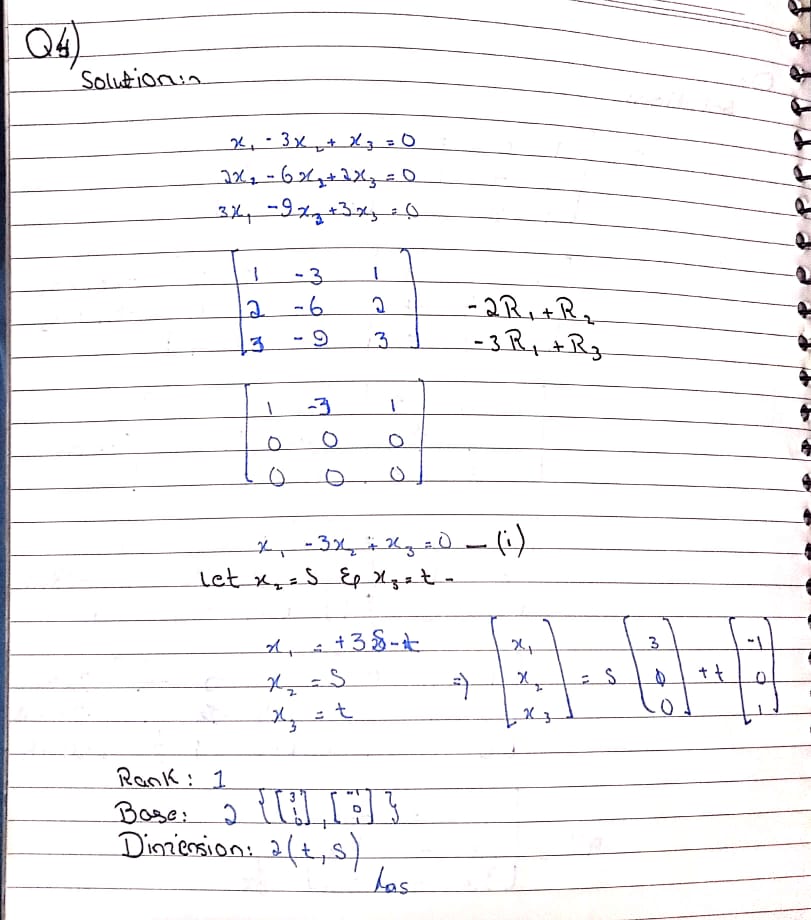
**Date:** Saturday, December 26, 2020

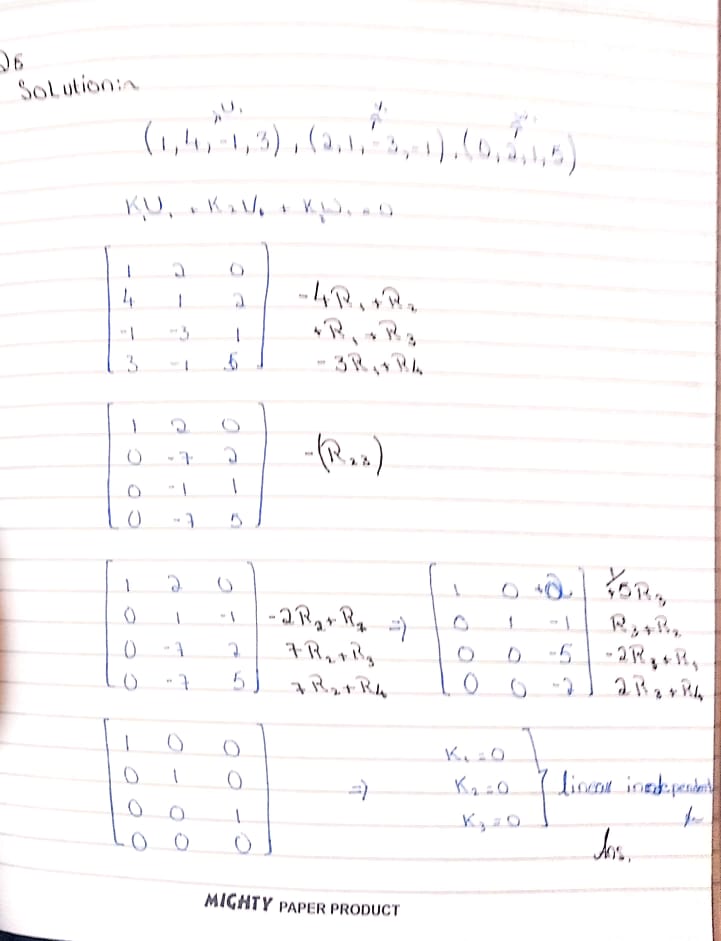
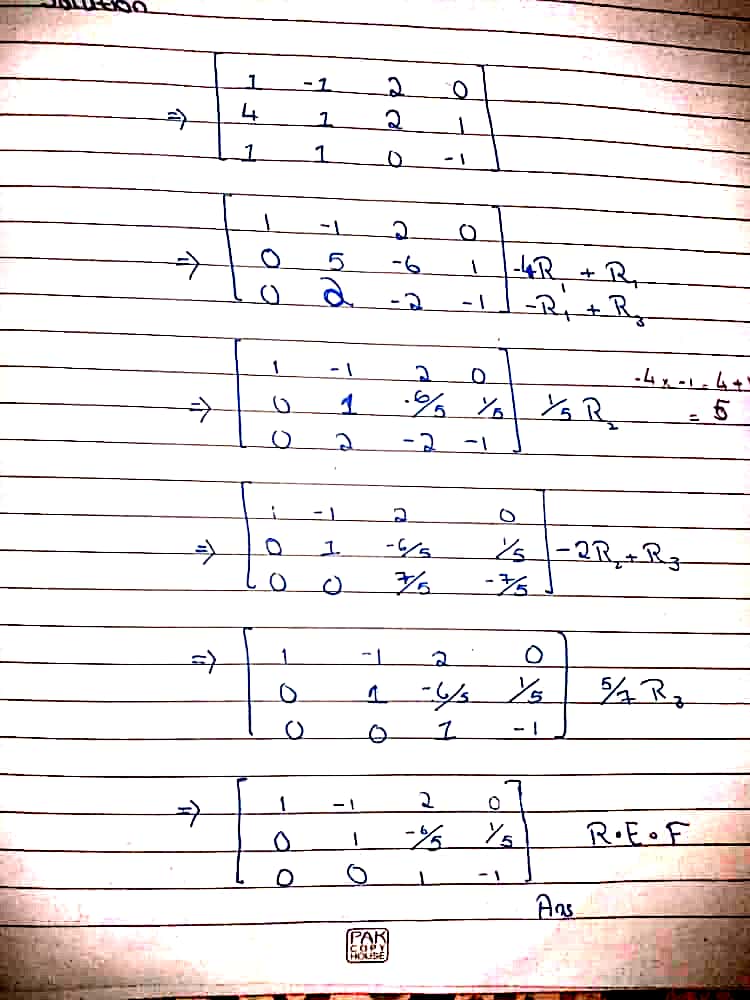
Q.1 Solve the following system by Gaussian Jordan method. ****

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**Q.2 Show that.** **is an idempotent matrix.**

**Q.3 Find the inverse of the following matrix.**

**Q.4 Find the basis and dimension for the solution space of the system.**

**Q.5 Determine whether the following vectors in R4 are linearly iQ.6 Reduced the matrix**