Exam ( (a): We see + that v=h, m=3, and r<m. (B): By (A), we know there exists on lx one solution to Ax=01 X=[G] or [o] dependition onr. (9:[10]

Problem 2

6): The inverse is those you operations applied in reverse adapt to

(6): Iterinaise Aisthose operations applied to I in beaux

(0) L = 4 1 3 1

(d): for (±3, we have that the first 3 columns are pir sted unas, than

 $\begin{array}{c|c}
(A) & 3 \\
0 & 2
\end{array}$ 

( for (=) only (olumns land 3 are pirot columns, thus

(A) has basis 3 2

(b) for (±3)

for (=3) N(A)= (1) (-2) 1 (2) -1

xo=0 of Cb).

(a): N(a) has Marxi2Ldin <5 Problem 4 (0) Columns 1, 4, and Fare basks for AA.

(0) All uppetition gular matrices,

a b c

y = a d e