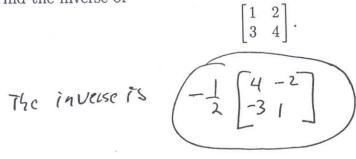
544 Exam 3 1998



PRINT Your Name:_ There are 9 problems on 4 pages. Problem 3 is worth 20 points. Each of the other problems is worth 10 points. SHOW your work. CIRCLE your answer. CHECK your answer whenever possible. No Calculators.

1. Find the inverse of



$$\begin{bmatrix} -2 & 1 \\ \frac{3}{2} & -\frac{1}{2} \end{bmatrix}$$

The hall space of the Matrix A is the set of all column vectors x with Ax=0.