

**Linear Algebra Quiz 6**

Find a basis for the null space of the following matrix. Show your work!

$$A = \begin{bmatrix} 2 & -4 & -1 & -1 \\ 3 & -6 & -1 & 0 \\ -2 & 4 & 0 & -2 \\ 1 & -2 & 4 & 13 \end{bmatrix}$$