MTH 261 LINEAR ALGEBRA SPRING 2017 Column Space and Null Space

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Find partners, and follow the instructions. You will not turn this in, but you must be working diligently to get attendance credit.

1. Find the null space and column space for
$$A = \begin{bmatrix} 1 & -2 & 2 & 2 \\ 0 & 3 & 1 & -1 \end{bmatrix}$$
. Specifically, I mean write
Nul A and Col A as the span of some vector(s).
 $Col A = Specifically, \begin{bmatrix} -2 & 2 & 2 \\ 0 & 3 & 1 & -1 \end{bmatrix}$. $Nul A = Specifically, I mean write
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 $Mul A = Specifically, \begin{bmatrix} -2 & 2 & 2 \\ 0 & 3 & 1 & -1 \end{bmatrix}$. $Nul A = Specifically, I mean write
Nul A and Col A as the span of some vector(s).
 $Mul A = Specifically, \begin{bmatrix} 1 & 0 & 4s & 4s \\ 0 & 1 & 4s & -4s \\ 1 & 2s & -2s \\ 2 & 2s & -2s \\ 1 & 2s & -2s \\ 2 & 2s$$$