



## January 5, 2016

T

Find all vectors that are orthogonal to the row space and the column space of A.  

$$A = \begin{bmatrix} 1 & 2 & 4 \\ 3 & 5 & 11 \\ -2 & 3 & -1 \end{bmatrix}$$

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

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$$A = \begin{bmatrix} 1 & 2 & 4 \\ -1 & -1 & -1 \\ -2 & -1 &$$



