- 2. Matrix A = $\begin{bmatrix} 2 & 2 \\ 16 & 6 \end{bmatrix}$ has eigenvalue -2, what is the corresponding eigenvector? $\begin{bmatrix} 1 \\ -2 \end{bmatrix}$
- 3. If A is square and $A\vec{x} = \vec{b}$ is inconsistent for some vector \vec{b} then the nullity of A is zero. false
- 4. If Rank(A) = Rank(A^T) then A is a square matrix. false
- 5. There is no 3*3 matrix whose row space and null space are both lines in 3-space. true