

Math 304 Section 1 Quiz 6

7/20/16

Name: _____

Let A be an $n \times n$ invertible matrix. If a statement is true, circle **T**. If it is false, circle **F**.

1. **T F** The rank of A is exactly n .
2. **T F** The equation $A\mathbf{x} = \mathbf{b}$ can have more than one solution.
3. **T F** A is row equivalent to I_n .
4. **T F** The rank of A^T is exactly n .
5. **T F** Viewed as a function $A : \mathbb{R}^n \rightarrow \mathbb{R}^n$, A is a one-to-one correspondence.

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