1. What is the name of the theorem that states that every subspace of a finite dimensional vector space has an orthogonal complement?

A. Theorem of Finite Dimensions
B. Theorem of Orthogonal Complements
C. Theorem of Subspaces

2. What is the name of the theorem that states that every vector space has a basis?

A. Theorem of Vector Spaces
B. Theorem of Bases
C. Theorem of Dimension

3. What is the name of the theorem that states that every finite dimensional vector space is isomorphic to its dual space?

A. Theorem of Duality
B. Theorem of Isomorphism
C. Theorem of Finite Dimensions