Quiz-8

Q.1 What is the largest subspace of the vector space R^3?

(A) R^3 (B) any plane passing through origin of R^3

(C) any line passing through origin R^3 (D) origin of R^3

Q.2 What is the smallest subspace of the vector space R^3?

(A) R^3 (B) any plane passing through origin of R^3

(C) any line passing through origin R^3 (D) origin of R^3

Q.3 Which of the following is not a vector space?

(A) z=0 (B) x+y=0 (C) x+y+z=0 (D) x+y+z+1=0

Q.4 Which of the following is not a subspace of R^2?

(A) x=0 (B)y=0   (C) x+y=1   (D) {(0,0)}

Q.5 Which of the following is not a subspace of R^3?

(A) x=0 (B)y=0   (C) z=0   (D) x=1