Quiz-2

Q.1 How many types of breakdown are there in Gaussian elimination?

(A)1 (B) 2   (C) 3

Q.2 For what value of a, the following system has breakdown.

$$ax + 3y = -3$$
$$4x + 6y = 6$$

(A) 0,3 (B) 0,2   (C) 0,4

Q.3 For what value of a, the following system has breakdown.

$$kx + 3y = 6$$
$$3x + ky = -6$$

(A) 0,3,-3 (B) 0,4,-4   (C) 0,2,-2

Q.4 In a 3 by 3 system if the number of pivots is less than 2, then the system is_____.

(A) singular   (B) non-singular (C) both A and B

Q.5 In a 3 by 3 system if the no. of pivots is equal to 2, then the system has ---------.

(A) unique solution (B)no solution (C) infinitely many solutions (D) either B or C