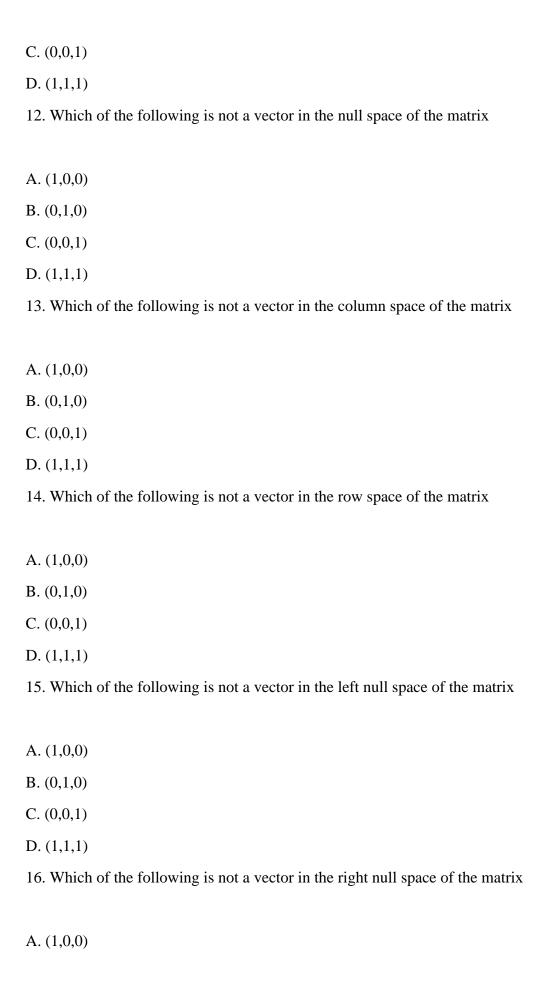
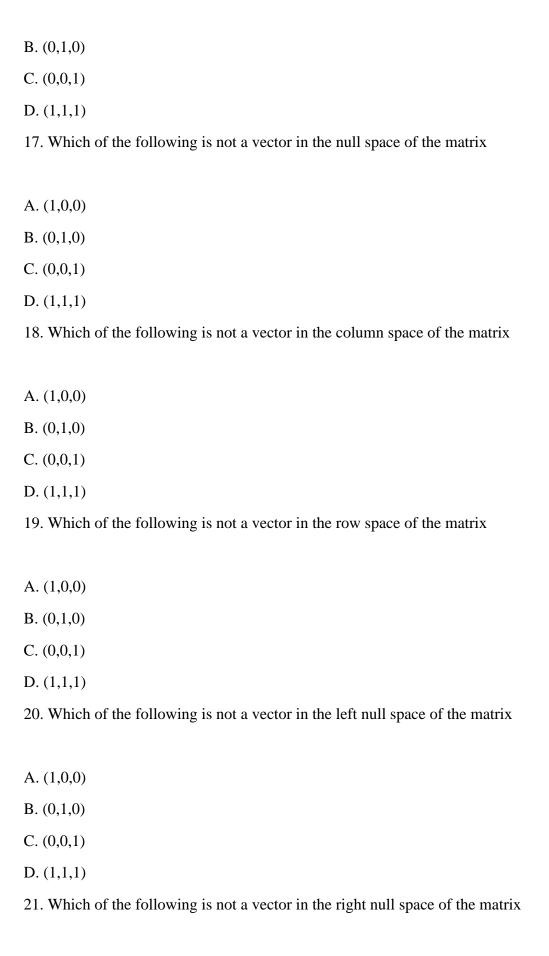
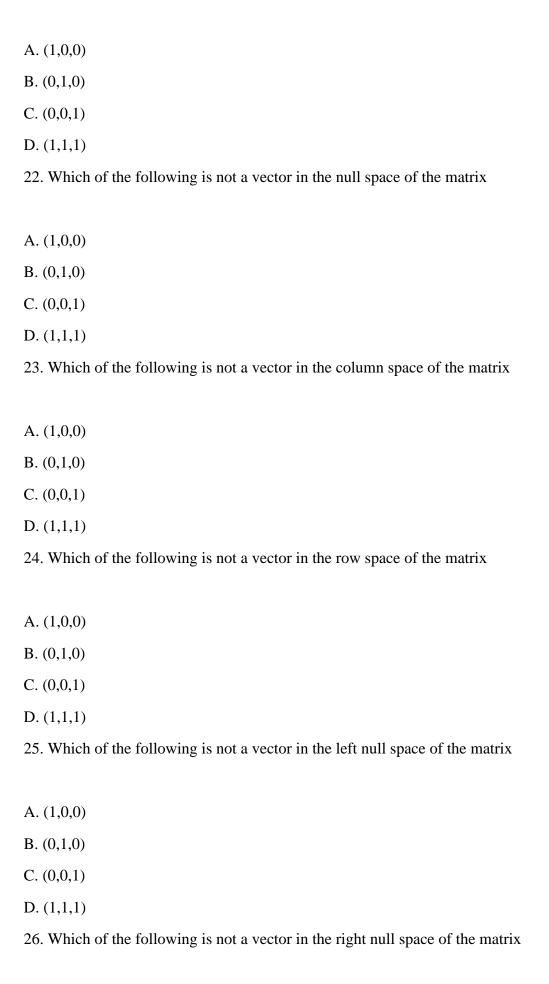
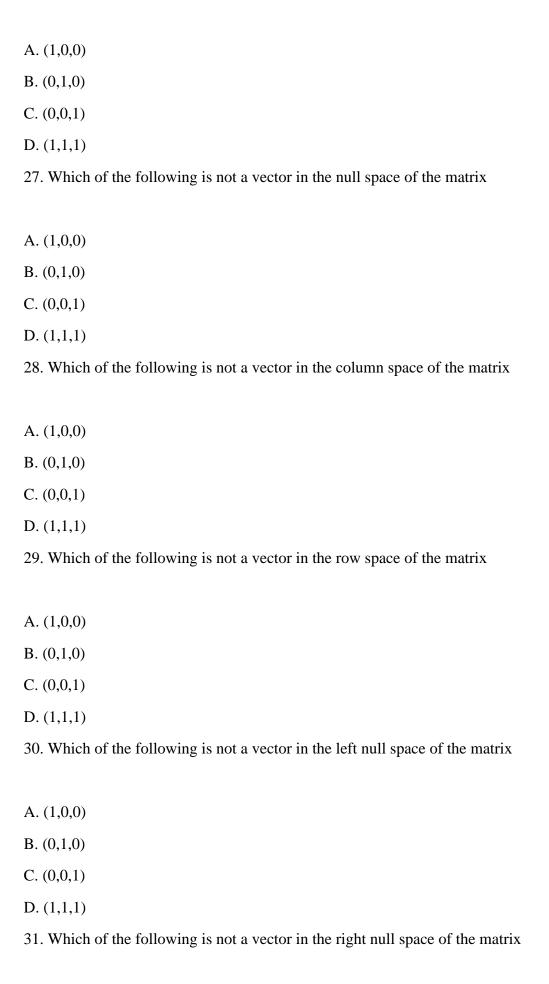
- 1. Which of the following is not a vector space?
- A. The set of all real numbers
- B. The set of all polynomials
- C. The set of all matrices
- D. The set of all vectors
- 2. Which of the following is not a subspace of R3?
- A. The set of all vectors with zero first coordinate
- B. The set of all vectors with zero second coordinate
- C. The set of all vectors with zero third coordinate
- D. The set of all vectors with zero first and second coordinates
- 3. Which of the following is not a basis for R3?
- A. (1,0,0), (0,1,0), (0,0,1)
- B. (1,1,0), (1,0,1), (0,1,1)
- C. (2,0,0), (0,2,0), (0,0,2)
- D. (1,2,3), (4,5,6), (7,8,9)
- 4. Which of the following is not a vector in R3?
- A. (1,2,3)
- B. (4,5,6)
- C. (7,8,9)
- D. (10,11,12)
- 5. Which of the following is not a linear combination of (1,2,3) and (4,5,6)?
- A. (1,4,7)
- B. (2,5,8)
- C. (3,6,9)
- D. (10,11,12)
- 6. Which of the following is not a vector in the span of (1,2,3) and (4,5,6)?
- A. (1,4,7)
- B. (2,5,8)
- C. (3,6,9)

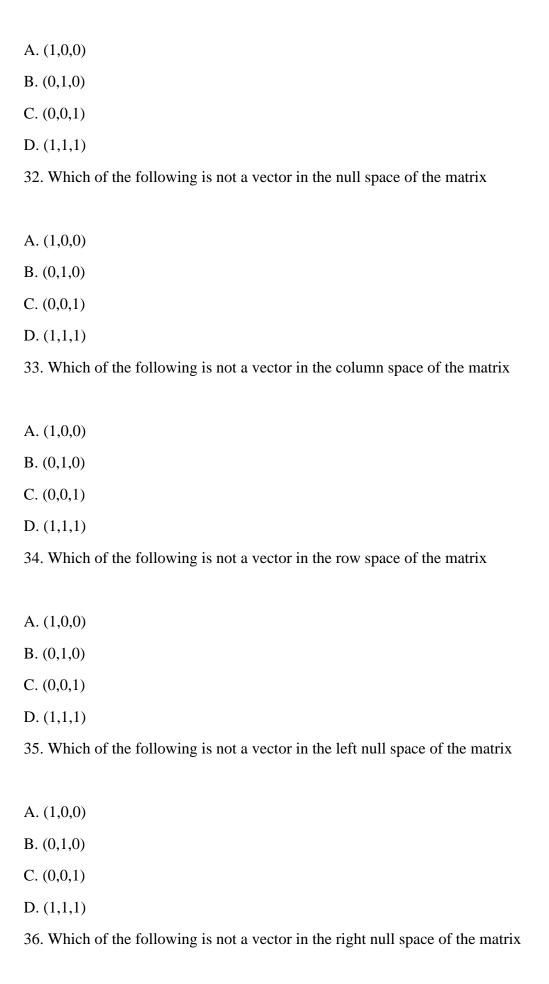
D. (0,0,0)
7. Which of the following is not a vector in the null space of the matrix
A. (1,0,0)
B. (0,1,0)
C. (0,0,1)
D. (1,1,1)
8. Which of the following is not a vector in the column space of the matrix
A. (1,0,0)
B. (0,1,0)
C. (0,0,1)
D. (1,1,1)
9. Which of the following is not a vector in the row space of the matrix
A. (1,0,0)
B. (0,1,0)
C. (0,0,1)
D. (1,1,1)
10. Which of the following is not a vector in the left null space of the matrix
A. (1,0,0)
B. (0,1,0)
C. (0,0,1)
D. (1,1,1)
11. Which of the following is not a vector in the right null space of the matrix
A. (1,0,0)
B. (0,1,0)

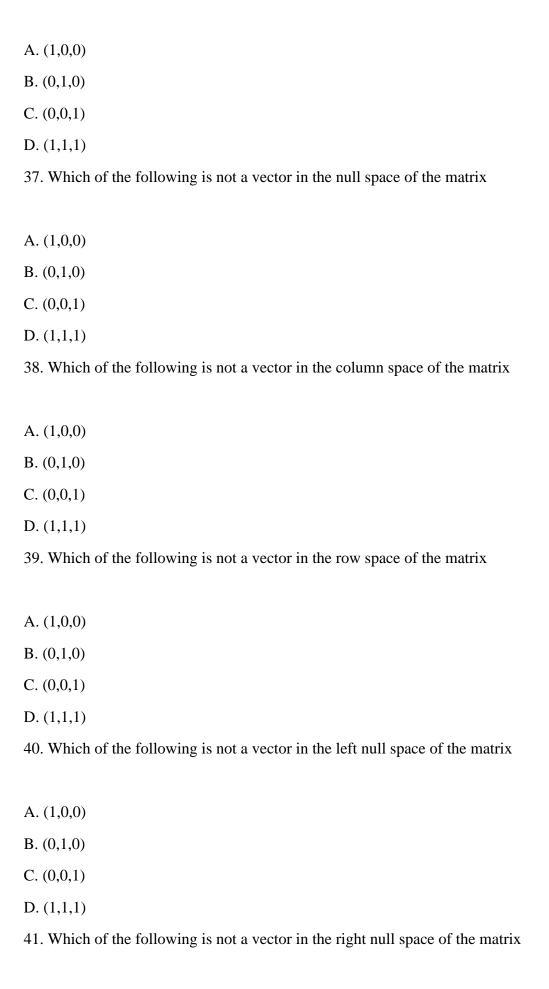


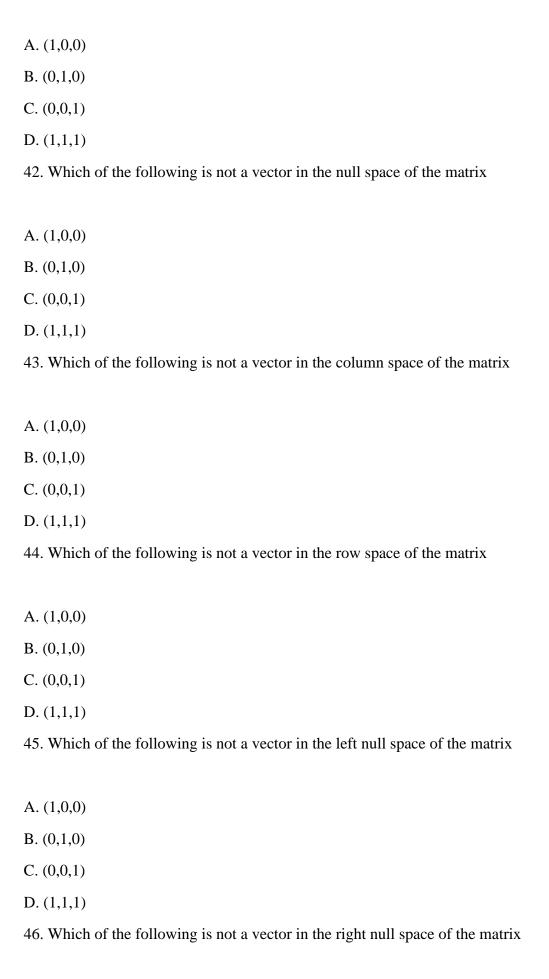


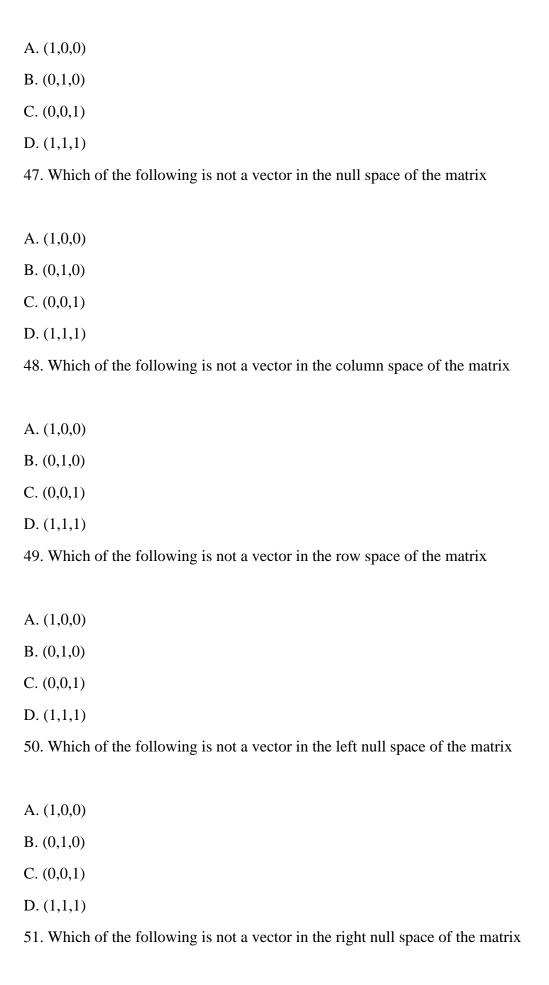


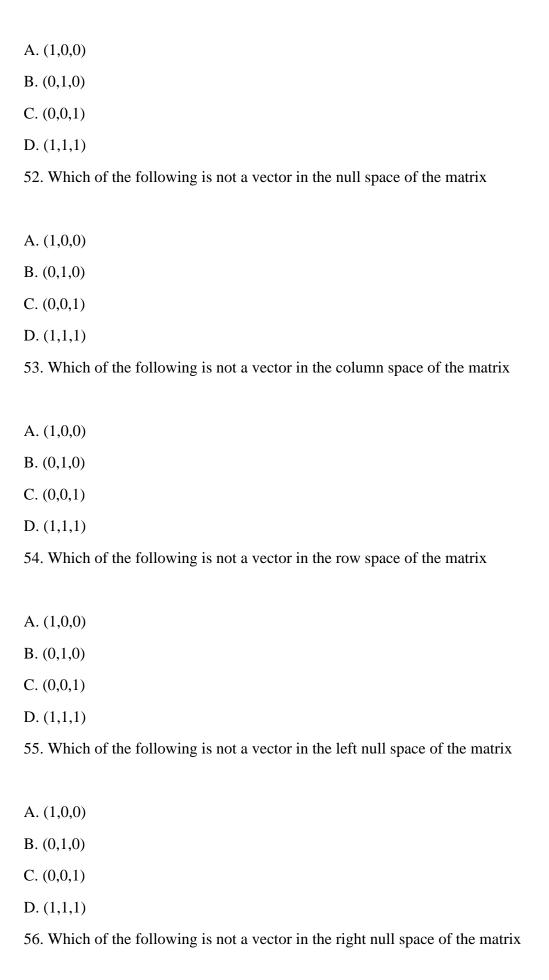












A. (1,0,0)
B. (0,1,0)
C. (0,0,1)
D. (1,1,1)
57. Which of the following is not a vector in the null space of the matrix
A. (1,0,0)
B. (0,1,0)
C. (0,0,1)
D. (1,1,1)
58. Which of the following is not a vector in the column space of the matrix
A. (1,0,0)
B. (0,1,0)
C. (0,0,1)
D. (1,1,1)