Quiz-17

Q.1 The vectors $v_1=(1,2)$ and $v_2=(2,1)$ are _____.

(A) linearly independent   (B) linearly dependent

Q.2 The vectors $v_1=(1,2)$ and $v_2=(3,6)$ are _____.

(A) linearly independent   (B) linearly dependent

Q.3 The vectors $v_1=(1,2)$, $v_2=(2,1)$ and $v_3=(1,1)$ are _____.

(A) linearly independent   (B) linearly dependent

Q.4 The vectors $v_1=(2,1,1)$ and $v_2=(1,2,1)$ are _____.

(A) linearly independent   (B) linearly dependent

Q.5 Check linear independence of the vectors $v_1=(2,1,1)$, $v_2=(1,2,1)$ and $v_3=(1,1,2)$.

(A) linearly independent   (B) linearly dependent

Q.6 The vectors $v_1=(1,0,0)$, $v_2=(0,1,0)$, $v_3=(0,0,1)$ and $v_4=(1,1,2)$ are _____.

(A) linearly independent   (B) linearly dependent

Q.7 Check linear independence of the vectors $v_1=(1,2,1)$, $v_2=(2,4,2)$ and $v_3=(1,1,2)$.

(A) linearly independent   (B) linearly dependent