1 så se verifice dans urmatourele sistème sunt l.i. san l.d.

a) 
$$5_n = \frac{1}{3}(1,3,2)^7, (-3,4,1)^7, (3,0,1)^7$$

e) 
$$55 = \{(1,2,1)^{\frac{1}{2}}, (2,4,2)^{\frac{1}{2}}\}$$

2. Sà re verifice dans urmahanele sisteme de vectorie sunt sisteme de generatori.

a) 
$$5_1 = \frac{1}{3}(1,2,1)^T$$
,  $\frac{1}{3}$ ,  $\frac{1}{3}$ ,  $\frac{1}{5}$ 

$$L) \quad 5_2 = \frac{1}{3} \left( \frac{1}{3}, 1 \right)^{\frac{1}{3}} \left( \frac{4}{3}, -\frac{1}{3} \right)^{\frac{1}{3}}, \left( -\frac{3}{3}, \frac{4}{3}, -\frac{1}{3} \right)^{\frac{1}{3}}$$

c) 
$$53 = \{(1,2,1)^T, (4,2,-1)^T\}$$

$$d = \{(1,0,2)^T, (3,1,-1)^T, (1,2,3)^T, (9,1,2)^T\}$$

3. Sa se verifie dans vounatourele sisteme de vectorie sunt bare.

a) 
$$B_{1} = \frac{1}{3} (1_{12,15})^{\frac{1}{3}} (1_{1}-1_{1})^{\frac{1}{3}} (0,1,1)^{\frac{1}{3}}$$

a) 
$$B_2 = \{(1,5,-1)^T, (2,3,-4)^T, (-1,2,3)^T\}$$

4 Sa se verifice daca urmateauli sisteme de vectorie sunt bare se, în car afirmativi, sa se determine Goordonatele vectorului ze în acele bare.

a) 
$$B_1 = \{(1,3,5)^T, (0,-1,2)^T, (1,1,3)^T\}, \vec{\chi} = (1,2,1)$$

a) 
$$\beta_{\ell} = \{(3, 2)^{T}, (-1, 3)^{T}\}$$
  $= (8, 1)$ 

c) 
$$\beta_3 = \{(-1,2,1), (3,4,0), (2,1,1),$$