





Sum that is not direct sum $V_{2} = \{(x,y,0) \in F^{3} : x,y \in F\}$ $V_{2} = \{(0,0,z) \in F^{3} : z \in F\}$ N3 - { (0, y, y) EE3 : 4 EE } (x,y,2) = (x,y,0) + (0,0,2) + (0,y,y) F3 + V1 + V2 + V3 (0,0,0) = (0,-1,0) + (0,0,-1) + (0,1,1) = (0,0,0) + (0,0,0) + (0,0,0)1. For each subset of F3, determine if its a subspace of F3

need to abusk for sold (8 100) 1,0,1 240+

(a) additive identity

(b) additive addition a) { (x1, x2, x3) EF3: x1 + 3x3 = 0 } 1) 0 + 0 + 0 = 0 .. identity adding them should be within same space. (u,+v,) + 2(u2+v2) + 3(u3+v2) (4, + duz + 3us), + (4, + duz + 3uz) · you closure woder add win A





