1. 2a - k verified aa n - 2ault. ment substituted. Nort. ab hui $R^3 | R$.

d) $T = \{(a, a - b, b) \in R^3 | a, b \in R\}$ $\exists i \in X, j \in T (=) X = (a_1, a_1 - b_1, b_1); j = (a_2, a_2 - b_2, b_2)$ $dX + \beta = 2d(a_1, a_1 - b_1, b_1) + \beta(a_2, a_2 - b_2, b_2) = (da_1, d(a_1 - b_1), db_1) + (\beta a_2, \beta (a_1 - b_2), \beta b_2)$ $= (da_1 + \beta a_2, (da_1 + \beta a_2) - (db_1 + \beta b_2), db_1 + \beta b_2) \in T$ $a_1 = (da_1 + \beta a_2, (da_1 + \beta a_2) - (db_1 + \beta b_2), db_1 + \beta b_2) \in T$

=> T & So (R3/R)