BONUS ASSIGNMENT (1) 10 = [3] 12 [3] 12 [3] - [0] - [01+10= [01] + [21] = [01+21] CW CM 2 C (1 2) 2 (2 2) 6 M (2) U2 [U1] V2 [Un] 11+11 = [31 - 32] + [32 - 322] = [31 + 32 - [32 + 32] cn, c | 31 | 50x1 - 3021 | E M

... M is a subspace of V

(3) #A = [0 ay], B = [0 ar] b, 0] + [0 ar] = [0 cA = c [o ai] = [cb | o] e w ... Il is a subspace of V. (A) A = [ai bi] B = [axbr or] A+B = [a1 b1] + [an b2] = [a1+an b1+b2] = [a1+an] + (b1+b2) O C1+cn Ew cA2 c ator 0 2 carebre 0 car W is a subspace of V

· W is not a subspace of V

[00] 00, [0

[] " ["

V to wage due so san et

to continuat WE rational number · W = [21 U2 [w,], U2 [wa] UAV = [W, A W] & motional manber W C.S. [25 + 5] & mational number w ... It is not at subspace of V · W= [w] WE integer u = [w] 1 = [w] U+12 | N2+152 / EU 6.0. [0.b+1.4] & W .. M is not a supstant of N