

Date:

2)

a)  $\mathcal{L} = l \, w \, \in l \, a, b, c \, f^* \, : l \, w \, |_{a} > 0 \, n \, |_{w_b} \, |_{a} \, C \, n \, |_{w_b} \, |_{a} \, C \, |_{a+b} \, |_{b} \, |_{a+b+c} \, |_{a+b+c} \, |_{a+c} \, |_{a+c} \, |_{a+c} \, |_{a+c} \, |_{a+b+c} \, |_{a+c} \, |_{a+c} \, |_{a+b} \, |_{a+c} \, |_{a+b+c} \, |_{a+c} \, |_{a+b+c} \, |_{a+c} \, |_{a+b+c} \, |_{a+b+c} \, |_{a+c} \, |_{a+b+c} \, |_{a+c} \, |_{a+b+c} \, |_{a+$ 

a) L = (x1y: x, y e10; 13 1 | y = 43 (0+1) 1 (0+1) (0+1) (0+1) (0+1) b) L = { x1. x ∈ {0,1}\* × 00 ¢ w} (40)+(41)\*+(01)\*+(0(10)\*+1(01)\*)1 1 = ((11) + (E+1)(01) + (E+0)(10)\*)1 e) {W = {0,1} : | Wo| = e1} (10101\*)101× \*)c) we L= Lweto, 13\*: |wol=s of (-10101010101) (10101010101)\*

Date:

A)

a)  $4w \in \{a, b\}^7$ : aaa xuất hiện duy nhất 1 lần trong w).  $(ab + aab + b)^*$ aaa  $(ba + baa + b)^*$ .

b) L= { w \in {a,b}\$ moi cap aa tei xhoit him truck bb}

(ba)\*(ab)\*(ab)\*(ab)\*(ba)\*

c) L = { w ∈ {a,b+c} : chiè dai các chuỗi con duás a : 3; (b+c) + (aba+b+c)(a+b+c)+(a+b+c)a(a+b+c) +(a+b+c)(a+b+c)a) \*

Estata: chiều dài các chuỗi con chi chuốt a:3.

(a+b+c)(b+c)(a+b+c)\*) + (aaa)\*