-65331 - Cahlen Brancheau HW 6 41) (01+10)(01+10)(01+10) c) (0+1(01*0)*1)*

42) (01

(01+011+0111)*

V 15/15

15/20

no subset construction

43) 10/20

(ab* a+ba*6)*(ab* xba*) wast want chances a

correct

44)

 $x \in L(\alpha \cap \beta)$ iff $x \in L(\alpha) \cap x \in L(\beta)$

b*(ab*ab*)* 1 a*b(a*ba*b)*a*

45)
17/20 a) b* / 10/10

b) a + bb*a* needs to include & -3 7/10

btat

((a+b)(a+b(a+b)))*(a+b)b 20/20

Finite Automata cannot count so the subset who can't be resular. I don't know How to show that formally, - need to be formal, took at notes

