DATE:

Section 2.1

2. a. A = { RRR, LLL, SSS }

5 (6) (3)

6. B={RLS, RSL, LRS, SRL, SLR3

C. C. 2 {RPL, RRS, RLR, RSR, LRR, SPR]

d. b= {RRL RRS, PLR, RSR, LRR, SRR, LLS LL LRL LSL, PLL, SLL, SSR, SSL, SRS, SLS, RSS e. D'= {RPR, LLL, SSS, PLS, PSL, LRS, LSR, SRL, SRL, SLR3

CUD=D={RRL, RRS, RLR, RSR, LRR, SRR, LLS, LLR, LRL
LSL, RLL, SLL, SSR, SSL, SRS, LS, PSS, LS, SS

CMD=C= {RPL, RRS, PLR, RSR, LRR, SRR}

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21, P(3, C(5,1 = (b) () (b)



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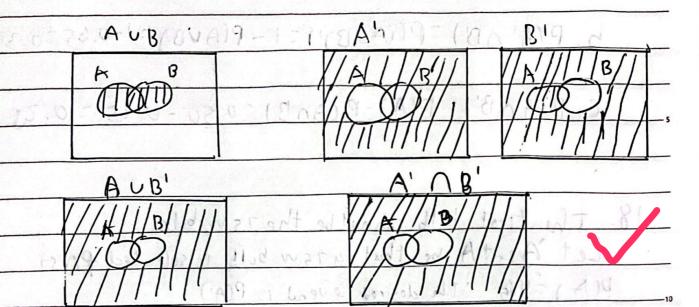


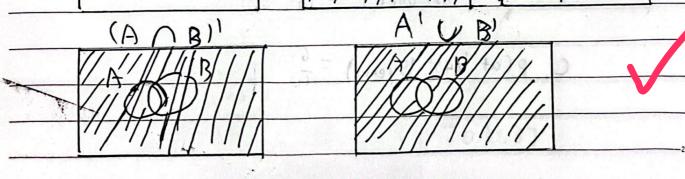


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01 -	(ALD) - AL	h h
1. a.	(AUBY) = A'C	1 3







DATE: Sectio 2.2

12 a. P(AUB) = 0.5 +0.4 = 0.25 = 0.65 A)

b. P(A' AB') = P((AUB)) = 1 - P(AUB) 21-0.65 20.35

C. P(A)B')= P(A)-P(A)B)=0.50-0.75 20.23

18. The tirst bilb cannot be the 75 w bulb

Let event A be that a 75 w bulb is selected first

P(A) =4/5 The dosired event is P(A')

50 P(A1) = 1 - P(A) = 15

77. a. p({AB}): to

b. P(otleast onec) - 7

C. p(at least (Syears) = To



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$$e \cdot P = \frac{\binom{8}{6} + \binom{60}{6} + \binom{12}{6}}{593775} = \frac{1162}{593775}$$

38. a.
$$P = \frac{(2)(4)}{(15)} = \frac{(15)(4)}{455} = 0.2967$$

$$\frac{d}{\sqrt{\frac{15}{5}}} = \frac{(26 - 0.42)}{7003}$$





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40.	and the state of t
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