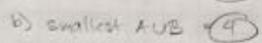
- Da) A= \$ 1,2,3,4,33
 - 6) A3 = A A A
 - c) |A3 = |A|3 = 53 = 125
 - 2) Breary Chalces are 0 #1

 A = \$ 0,13

 K = 500 1 A= = A = 2500



a) layerst AUB = (7)



6) limest AMB = (3)





- 4) 4:3-2.1 = 41 = (24)
- 5) A = 5 Euchen Chameris

(A)5 = 265 = (11,881,376)

- 6) (10) = 10.9.8 = 10.9.8 = (20)
- F) (10) = 10.9.8.7.6 = 5! = 10.9.8.7.6 = 30,240

- P. A. S. E. C. ()
 - 10 JE = 54,73
 - 12 x 01 = 11 (5 Share & Dor, See, Mrs. Agr. May, Sur, Dul, Am, Sep, Oct, Norphel 52, - 21,2,5, 4,5,6,73
 - d) 12= 21.2, ... 103
 - e) Se So = S-1 Sho = grand black, chima, grand 3
- 2) a) Is = & HIT3200
 - 10) 12 = & Hon-regative integers }
 - c) In = { works in Hamlet }
- SOANBAC
 - 6) AUBUC
 - O CAMERC
- 4) IL= {a,b,c} Pr (a) = 1/2
 - 2) Pr(6)= 1-(Pr(2)+Pr(6))
 - 10)

50) First tose is briots B) All three town youth in either all heads or all doils

c) One of the time topics well in

514,733

自り、ナミドーマラーを

Pr(E)= 4/2 = 1/2

P/ (E) = 4/9 = 1/4

Pr (EL) = 3/8

6) Pr (ANB) = 44 Pr (AC) = 43 , Pr (A) = 43 Pr (3) - 1/2

AC = SL \ A in thecent A don not reprom Pr(AUB)?

Pr(A) + Pr(B) - Pr(A)B)

圣十之一日= 是十是一高= 按

+) 12 = { 1,2,3,4,5,6}2

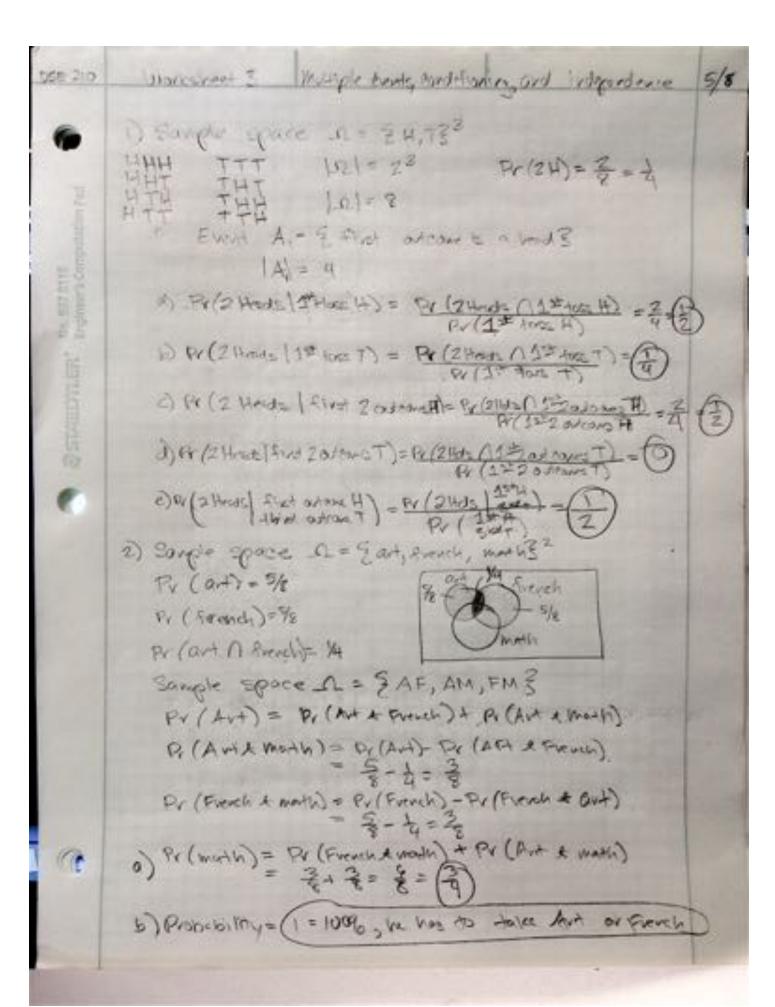
A = 9(1,1), (3,2), (3,5), (4,4), (3,5), (6,6) }

LAI = 62 = 36

Pr(w)= Y=6

1A = 6 Pr(A) = 404 = 1/6

16) Sample space $S_1 = \{2, 3\}, bay \}^6$ $|S_2| = 2^6 = 64$ Except of interest $A = \{3, 3bays, 3scrits\}$ $|A| = (\{3\}) = \frac{6 \le 4}{2 \cdot 2} = 20$ $Pr(A) = \frac{24}{24} = \frac{4}{25}$



5) House 66% 208

Pr (4) = 60% Pr (=) = 80% Pr(HUS) = 90% Pr((HUS) = 10%

1 = Pr(pass + pass s) + Pr (pase H, dorsing pass 5) + Pr(does 4 pass 14, passes 8) + Pr (doesn't pass Hydresn's pass S)

O.1 = Pr(domina pass 4, docent pass s)

Pr(H) = 0.6 = Pr(pass 4, pass 5) + Pr(pass 4, durit pass 5) pr(s) - 0.8 - Pr(pish) pism+ Pr(dooripass, piss)

1= Pr(pose H, gres s) + 0, 4 - Pr(pose H, gres s) + 0, 4 - Pr(pose H, gres s) +

1-1.5 = - Pr (pass Hypess 5) (Pr (pose H, pres S) = 0.5) 5) SI= gall Cards &

(3) Pr (0) ved) = Pr (0) Uved) = 3/52 = 24/52 6) 0 (9,0,43 10) = 915 504500)

c) Pr(J (2)0) = Pr (J (12)0) = 4/52 =

6) Pr(80)= /4 Pr(A18)=1/2 Pr(AMB) = Pr(AIB) Pr(B) Pr(Ans)=(/2)(1-t) (PI(ANE)= 3/2

(onothional Probability Pr (men) = Pr (women) Pr (cb | men) = 5% Pr (cb | men) = 1% 10)

looking for Pr (male | cb)=?

15) A = Hearys on 152 toss

Po : Tails on 200 los

e: Heads on 300 hass

D: All 3 outlours some

E: Eractly are bood

Pr (man / cb) = Pr (man ncb) = Pr(obliman) + P(cirl woman)

Pr(man | cb) = 52 =

c) which pairs are

1) 1,8 independent

2) 4,0 independent

3) A.E degendent

4) OF depondent

(182)

DEEZIO

2) A= & first cound is ©3 B= & first cound is 103 Independent

3) A= & first card to 10}
B=& second card is 93
Dependent, Pr(BIA) ≠ Pr(B)

4) A Effect card is DB

B= Esecond card is 103

Independent

(249)