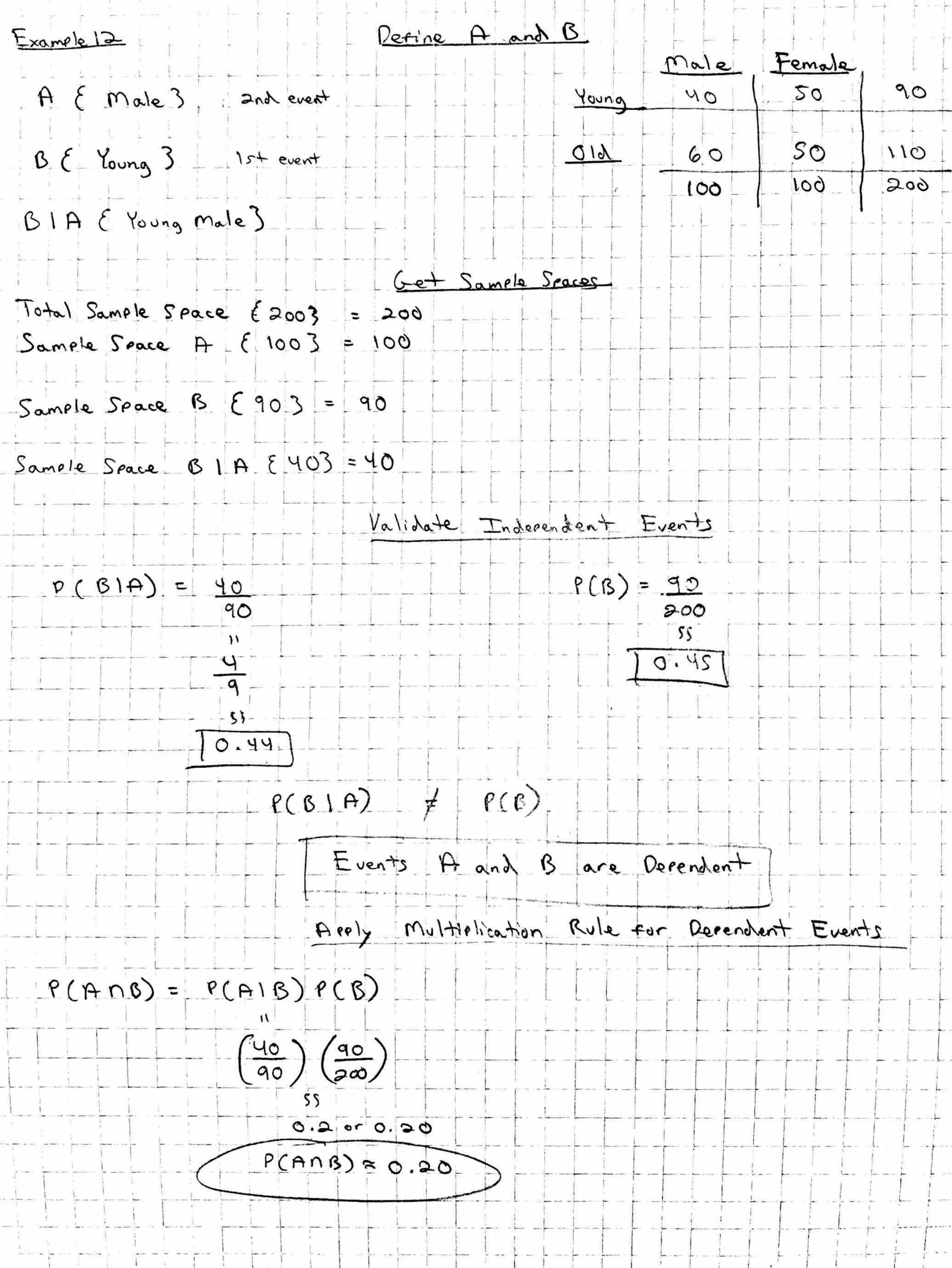
Example II	
A ( Head Side or 1st coin)	
B { Head Side of 2nd Coin }	
BIA { Head Side of 2nd Coin given Head Si	96 Pt (2017)
Sample Spaces	
Total Sample Space & HH, HT, TH, TT3. = 1	
Sample Space A & HH, HT, TH3 = 3	
Sample Space B & HH, HT, TH3 = 3	
Sample Space BIA (HH, HT, TH) = 3	
Validate Independe	ent Events
$P(B \mid A) = \frac{3}{3} = 1$	P(B) = 3 = 0.75
	P(A) = 3 = 0.75
$\mathcal{C}(B1A) \neq \mathcal{C}(B)$	
Events A and B are	For Perendent Events
$P(A \cap B) = P(B \mid A) P(A)$	
(1)(0.75) $P(A \cap B) = 0.75$	
Book Show This	



Example 13	Perine A and	S.	
A E Heart 3			
B { 10 or Face Card }			
BIA & 10 or Face Card	aiven Heart 3		
Total Sample Space: 5.	a cards = 52		
Sample Space A: 13	e orgs = 13.		
Sample Space B: 16	cards = 16.		
Sample Space BIA:	1 cards = 4		
	Validate Indep	endent Events	
P(BIA) = 4		P(B) = 16 52	P(A) = 13
		5.5	SS
0.31		3.3)	
P(B)P	r) = P(B)		
Α	and B are Ind	epdent-Events	
	Apply Multiplicat Independent	ion Kule for Events	
PC	ANB) = P(A) P(	3)	
	(0.25)(0.		
	0.07		
	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		