









• The probability of events A and B occurring, given that A has occurred, is given by

 $P(A \cap B) = P(B|A) \times P(A)$

Use to find P(ANB) given P(B|A) and P(A).



Exa	mple 3	
 100 Students 	Course Taken	No. of students
surveyed	English	80
 Refer to yesterday's Venn diagram. 	Mathematics	33
	French	68
What is the probability that a student takes Mathematics given that he or she also takes English?	English and Mathematics	30
	French and Mathematics	6
	English and French	50
	All three courses	5







4.4 Classwork/Homework Assessment:

- Pg235 #1-5,7,8,10-14.
- RAMN 4.5