



Probability Union, Intersection, Complement - Name to Formula

1	Select the formula to calculate this probability operation		2	Select the formula to calculate this probability operation	
	(A) intersect (B)			(A) union (B)	
A	$P(A) \cdot P(B)$	B	$1 - P(A)$		
C	$\frac{P(A \cap B)}{P(B)}$			$P(A) + P(B) - P(A \cap B)$	B $1 - P(A)$
3	Select the formula to calculate this probability operation		4	Select the formula to calculate this probability operation	
	(A) conditional on (B)			Complement of (A)	
	A $\frac{P(A \cap B)}{P(B)}$	B $\frac{P(B \cap A)}{P(A)}$			
	C $P(A) \cdot P(B)$		A $1 - P(A)$	B $\frac{P(A \cap B)}{P(B)}$	
			$P(A) + P(B) - P(A \cap B)$		