



Probability Union, Intersection, Complement - Description to Formula

1

Select the formula to calculate the probability operation being described

Event A not happening

A $P(A) + P(B) - P(A \cap B)$

B $1 - P(A)$

C $\frac{P(A \cap B)}{P(B)}$

2

Select the formula to calculate the probability operation being described

Either A or B happening

A $\frac{P(A \cap B)}{P(B)}$

B $P(A) \cdot P(B)$

C $P(A) + P(B) - P(A \cap B)$

3

Select the formula to calculate the probability operation being described

Both A and B happening

A	B
$P(A) \cdot P(B)$	$1 - P(A)$