



Probability Union, Intersection, Complement - Set Operation to Formula

1

Select the formula for this probability operation if the events are independent

$$P(A \cap B)$$

A

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

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

C

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

2

Select the formula for this probability operation

$$P(A \cup B)$$

A

$$1 - P(A)$$

B

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

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

3

Select the formula for this probability operation

$$P(A')$$

A

$$1 - P(A)$$

B

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