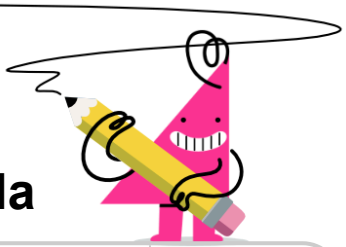
Name



Probability Union, Intersection, Complement - Set Operation to Formula

1 Select the formula for this probability operation

$$P(A|B)$$

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

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

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

2 Select the formula for this probability operation

$$P(A')$$

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

B $1 - P(A)$

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

3 Select the formula for this probability operation $P(A \cup B)$

A $1 - P(A)$

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

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

4 Select the formula for this probability operation if the events are independent $P(A \cap B)$

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

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

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