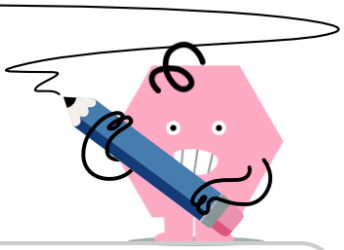
Name



Probability Union, Intersection, Complement - Description to Formula

1

Either A or B happening

Select the formula to calculate the probability operation being described

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

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

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

2

Both A and B happening

Select the formula to calculate the probability operation being described if the events are independent

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

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

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

3 Select the formula to calculate the probability operation being described

Event A not happening

A $1 - P(A)$

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

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

4

Event A happening, given that B has happened

Select the formula to calculate the probability operation being described

A $1 - P(A)$

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

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