



## Probability Union, Intersection, Complement - Formula to Description

1 This formula calculates the probability of what?  $1 - P(A)$

A Event A not happening      B Event A happening, given that B has happened

C Both A and B happening      D Either A or B happening

2 This formula calculates the probability of what?  $P(A) \cdot P(B)$

A Either A or B happening      B Event A not happening

C Both A and B happening      D Event A happening, given that B has happened

3 This formula calculates the probability of what?

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

A Event A happening, given that B has happened      B Event A not happening

C Both A and B happening      D Either A or B happening