Probability Union, Intersection, Complement - Venn Diagram to Formula
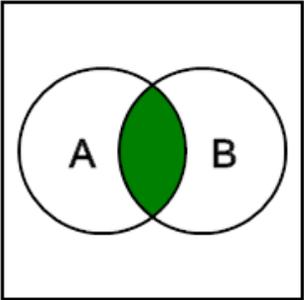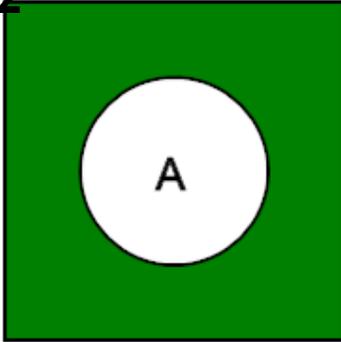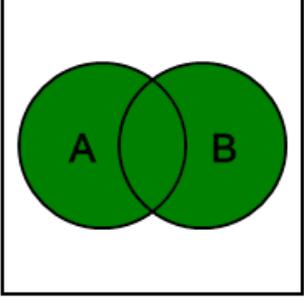
1 What formula would calculate the green area in this Venn diagram

A	B
$P(A) \cdot P(B)$	$1 - P(A)$
C $\dfrac{P(A \cap B)}{P(B)}$	

2 What formula would calculate the green area in this Venn diagram

A
$P(A) + P(B) - P(A \cap B)$
B $1 - P(A)$

3 What formula would calculate the green area in this Venn diagram

A
$P(A) \cdot P(B)$
B $P(A) + P(B) - P(A \cap B)$
C $1 - P(A)$

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