AA MM CO

3)

q)
$$P(\phi) = 0$$

$$\phi = \Omega^{c}$$

El vação es el complemento del espacio muestral 12

$$P(\phi) = P(\Omega^c)$$

· Aplicando la Propiedad: P(Ac)=1-P(A)

$$P(\Omega^c) = 1 - P(\Omega)$$

La Probabilidad de 12 es 1

$$P(\phi) = P(\Omega^{\epsilon}) = 1 - 1 = 0$$

$$P(\phi) = 0$$

Norma

b)
$$P(A^c) = 1 - P(A)$$

 $P(A) + P(A^c) = P(\Omega)$
 $P(\Omega) = 1$
 $P(A) + P(A^c) = 1$
 $P(A^c) = 1 - P(A)$
F) $P(A \cup B) = P(A) + P(B) - P(A \cap B)$
 $P(A) = P(A \cap B^c) + P(A \cap B)$
 $P(A) = P(A \cap B^c) + P(A \cap B)$
 $P(A) + P(B) = P(A \cap B^c) + P(A \cap B)$
 $P(A) + P(B) - P(A \cap B) = P(A \cap B^c) + P(A \cap B)$
 $P(A) = P(A \cap B^c) + P(B \cap A^c)$
 $P(A) + P(B) - P(A \cap B) = P(A) + P(B \cap A^c)$
 $P(A \cup B) = P(A) + P(B \cap A^c)$
 $P(A \cup B) = P(A) + P(B \cap A^c)$

P(A) + P(B) - P(ANB) = P(AUB)