

③

Given, $P(A \cup B) = 0.6$ and $P(A \cap B) = 0.3$

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

$$\therefore P(A) + P(B) = P(A \cup B) + P(A \cap B)$$

$$= 0.6 + 0.3 = 0.9.$$

$$P(A) + P(B) = 0.9.$$

$$\Rightarrow P(\bar{A}) + P(\bar{B}) = 1 - P(A) + 1 - P(B)$$

$$= 2 - [P(A) + P(B)].$$

$$= 2 - 0.9 = 1.1.$$