

QUESTION

If  $p(A) = 0.6$ ,  $p(B) = 0.5$  and  $p(A \text{ and } B) = 0.7$  what is  $p(A \text{ or } B)$ ?

ANSWER

$$p(A \text{ or } B) = p(A) + p(B) - p(A \text{ and } B) = 0.6 + 0.5 - 0.7 = 0.4.$$