

[nex89] **Equal events?**

Two events A, B are equal, $A = B$, if they contain the same possible outcomes.

Two events A, B have equal probability if $P(A) = P(B)$.

Two events A, B are equal with probability one if the sum of all outcomes in A or in B but not in AB has zero probability. Show that if $P(C) = 0$, where $C = (A + B)\overline{AB}$, then $P(A) = P(B) = P(AB)$.