

A = 2080

i)  $(A \cup B)'$

ii)  $A \cap B$

iii)  $A - B$

b)  $P(A \cup B) = \frac{80}{100}$ ,  $P(A) = \frac{60}{100}$ ,  $P(B) = \frac{45}{100}$

i)  $P[(A \cup B)'] = 1 - P(A \cup B) = 1 - \frac{80}{100} = \frac{20}{100}$

ii)  $P(A \cap B) = P(A) + P(B) - P(A \cup B) = \frac{60 + 45 - 80}{100} = \frac{25}{100}$

iii)  $P(A - B) = P(A) - P(A \cap B) = \frac{60}{100} - \frac{25}{100} = \frac{35}{100}$