\( \sum = 1 \)

\[
1 - 3\times 0.1 = 0.7
\]

\[
P(A|B) = \frac{P(A \cap B)}{P(B)}
\]

\[
Pr(A \cap B \cap C | A \cap B) = \frac{1}{3} = \frac{x}{0.12 + x} \quad \Rightarrow x = 0.06
\]

\[
Y = 0.28
\]

\[
Pr(\text{none} | A^c) = \frac{Y}{1 - Pr(A)} = \frac{0.28}{1 - 0.1 - 0.12 - 0.06}
\]

\[
= \frac{0.28}{0.6} = 0.46
\]