Imagine two events $A$ and $B$ that have no influence on each other. For example,

$$
\begin{gathered}
A=\text { "I get a } 6 \text { the next time I roll a die" } \\
B=\text { "The UCSD wifi crashes today" }
\end{gathered}
$$

What should $P(A \mid B)$ be equal to?

What should $P(A \cap B)$ be equal to?

