1. A fair die is rolled 3 times. Find the probability of getting a sum of at least 4.

2. You are dealt 5 cards. What is the probability of getting all hearts? In poker a flush consists of all five cards of the same suit. What is the probability of getting a flush?

3. You are given $P[A \cup B] = 0.7$ and $P[A \cup B'] = 0.9$. Calculate $P[A]$.