I. Probability 3

Answer the following:

a) If P(A) = 0.35 and P(B) = 0.55 and A and B are independent events, what is the probability P(A and B)?

b) If P(A) = 0.35, P(B) = 0.55, P(A and B) = 0.25 and A and B are dependent events, what is the probability P(A|B)?

Use R to solve this problem. Include in your answer the R-commands used to arrive at the results.