

Solution for exercise 1.3.8 in Pitman ¹

It may be useful to make a sketch similar to the one given at page 22 in Pitman.

From the text the following probabilities are given:

$$P(A) = 0.6 \quad P(A^c) = 1 - P(A) = 0.4$$

$$P(B) = 0.4 \quad P(B^c) = 1 - P(B) = 0.6$$

$$P(AB) = P(A \cap B) = 0.2$$

Question **a)**

Question **b)**

Question **c)**

¹Text colored in blue are buttons. In order to enable these, the document must be opened in either [Acrobat Reader](#) or [evince](#) (linux).

Question d)

Question e)

Question f)