

## Solution for exercise 1.4.1 in Pitman

**Question a)** Can't be decided we need to know the proportions of women and men (related to the averaging of conditional probabilities p. 41)

**Question b)** True, deduced from the rule of averaged conditional probabilities

**Question c)** True

**Question d)** True

**Question e)**

$$\frac{3}{4} \cdot 0.92 + \frac{1}{4} \cdot 0.88 = 0.91$$

true