

Homework Solutions

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Exercise 22

- (a) Her chance is $100/200$, or 0.50 .
- (b) His chance is $100/1000$, or 0.10 .
- (c) That chance is $100/1000 = 0.10$, which is the same as $20/200 = 0.10$. However, this is not a simple random sample because not all possible samples of size 120 have the same chance of being selected. For example, a sample of size 120 that contains 60 males and 60 females has no chance of being selected by this method.