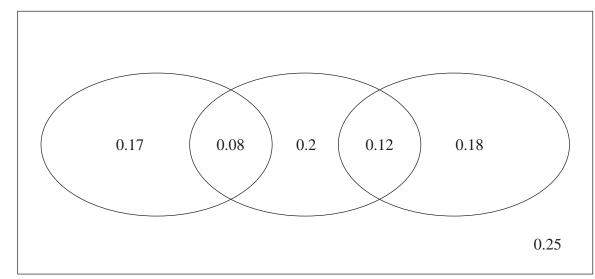
2. The Venn diagram shows three events and the probabilities associated with each region.

The labels for the three events are missing.



The three events shown by the Venn diagram are A, B and C.

- Event A and event B are mutually exclusive
- Event A and event C are independent
- (a) Giving reasons and showing your working, complete the Venn diagram with the correct labels for *A*, *B* and *C*.
- (b) Write down the probability of event B not occurring.

(1)

(4)