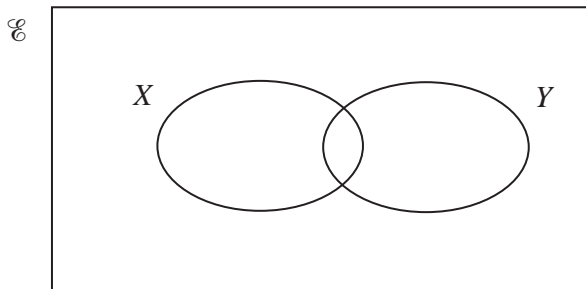


2 (a) An outdoor club has three sections, walking, biking and rock-climbing. Using \mathcal{C} to denote the set of all members of the club and W , B and R to denote the members of the walking, biking and rock-climbing sections respectively, write each of the following statements using set notation.

(i) There are 72 members in the club. [1]

(ii) Every member of the rock-climbing section is also a member of the walking section. [1]

(b) (i)



On the diagram shade the region which represents the set $X \cup Y'$. [1]

(ii) Using set notation express the set $X \cup Y'$ in an alternative way. [1]