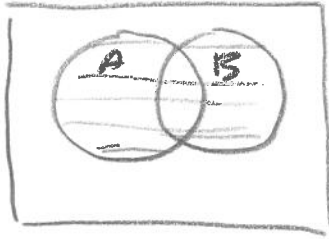


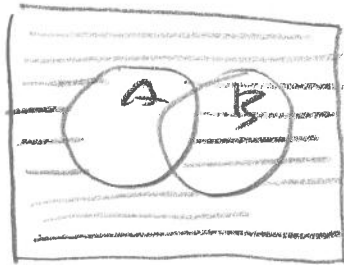
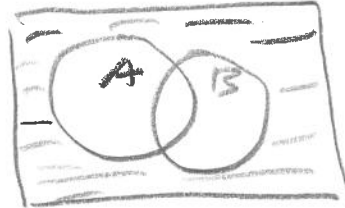
You must show your work to get full credit.

1. Draw the Venn diagrams for $(A \cup B)^c$ and $A^c \cap B^c$. (By DeMorgan's Law they should be equal.)

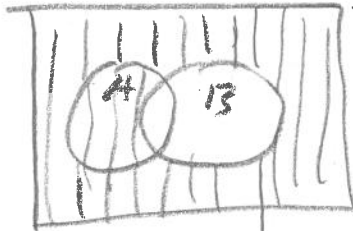


$A \cup B$

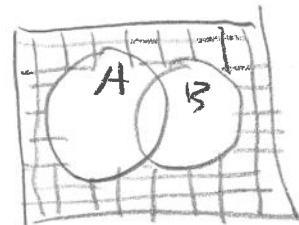
take
complement



A^c



B^c



$A^c \cap B^c$

2. Draw the Venn diagram for $A \cap B^c \cap C$. This is elements that are in both A and C, but not in B.

