

Diagrammes de Venn

Exercice 1 : Pour chacun des cas suivants, hachurer la région représentée par :

a) $A \cap B$

c) \overline{B}

e) $\overline{B} \cup A$

g) $\overline{A} \cup \overline{B}$

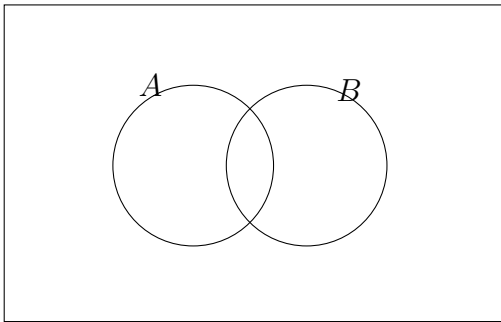
b) $A \cup B$

d) $A \cup \overline{B}$

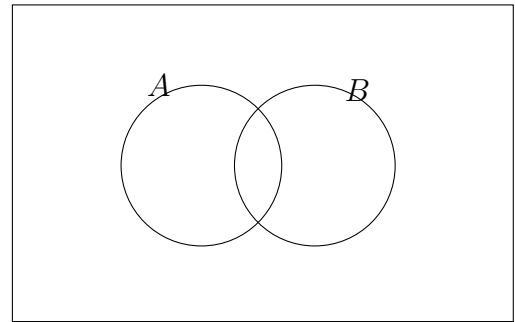
f) $\overline{A} \cap B$

h) $\overline{A} \cap \overline{B}$

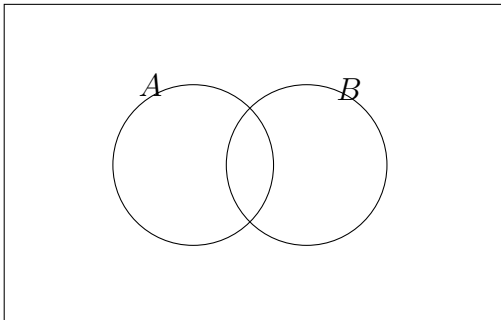
a)



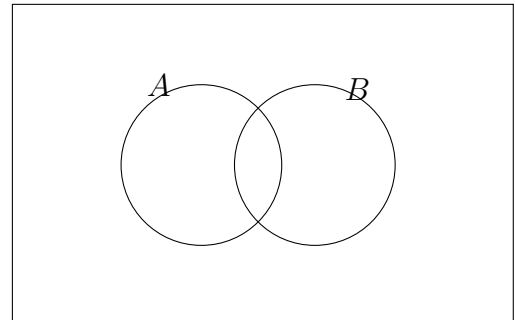
b)



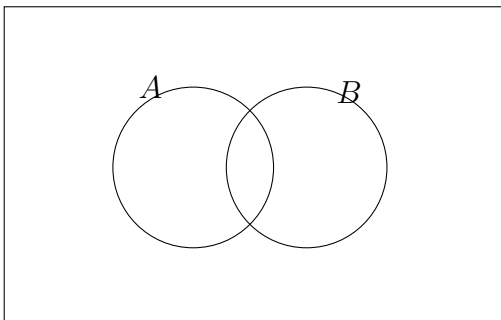
c)



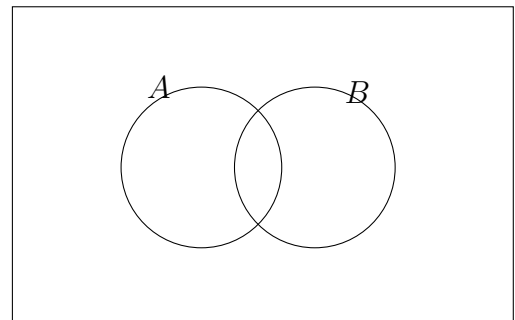
d)



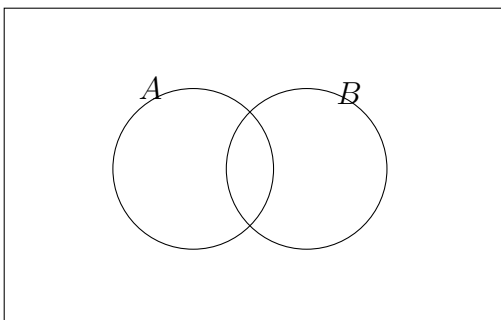
e)



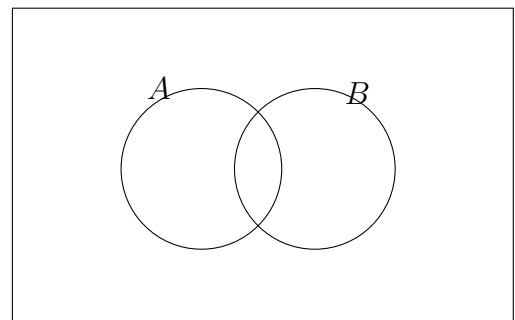
f)



g)



h)



Exercice 2 : Pour chacun des cas suivants, hachurer la région représentée par :

a) $A \cup B$

c) \bar{A}

e) $\bar{A} \cup B$

g) $\bar{A} \cup \bar{B}$

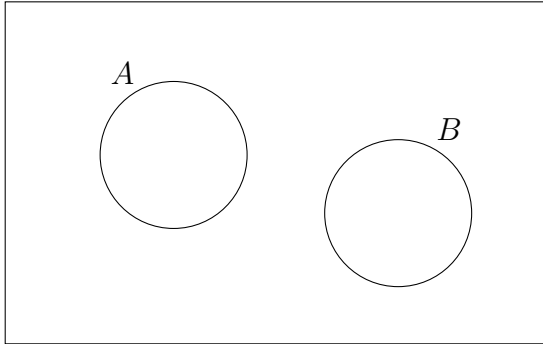
b) $A \cap B$

d) \bar{B}

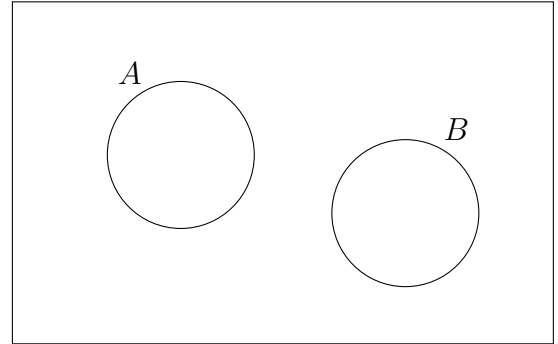
f) $A \cap \bar{B}$

h) $\bar{A} \cap \bar{B}$

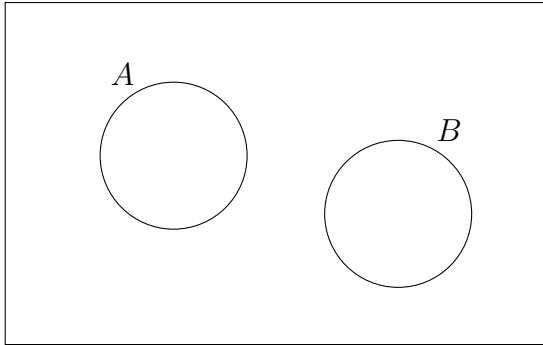
a)



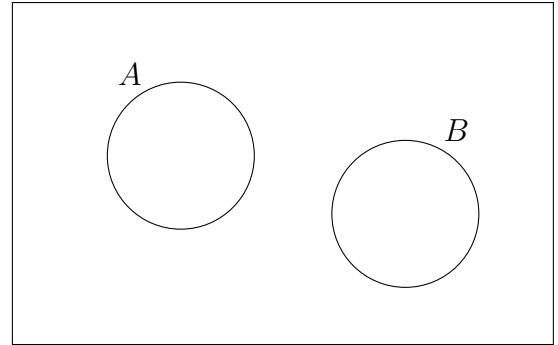
b)



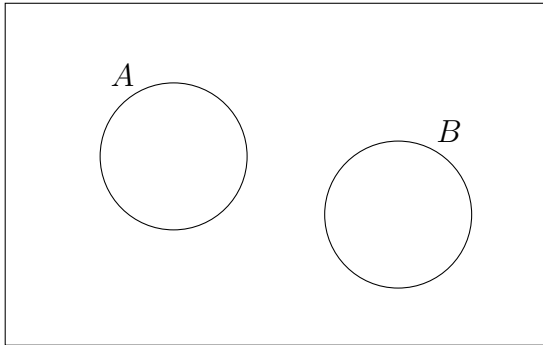
c)



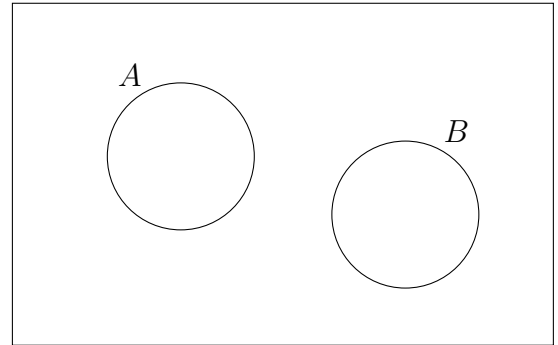
d)



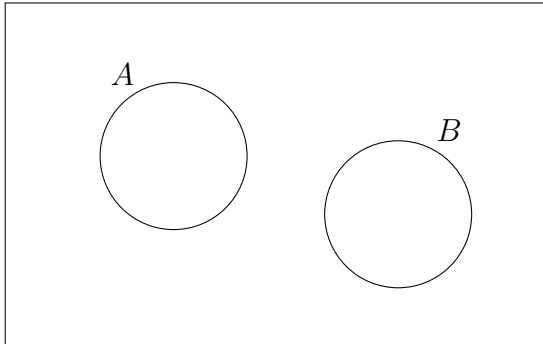
e)



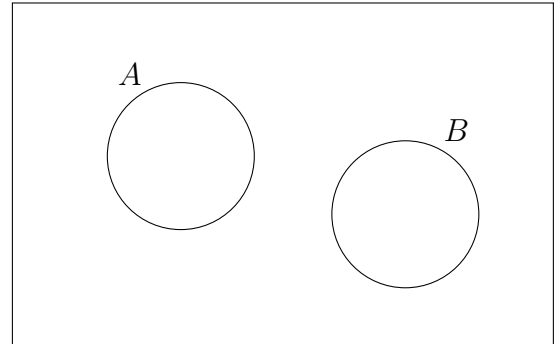
f)



g)



h)



Exercice 3 : Pour chacun des cas suivants, hachurer la région représentée par :

a) $A \cap B$

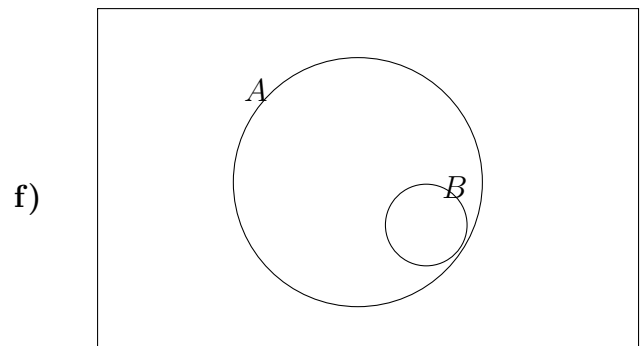
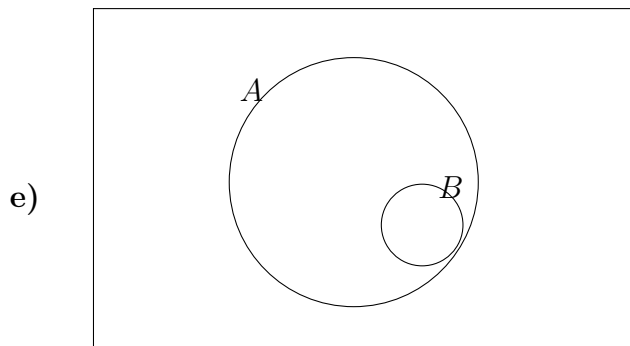
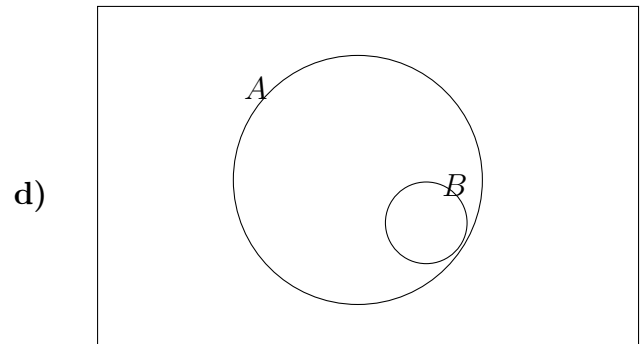
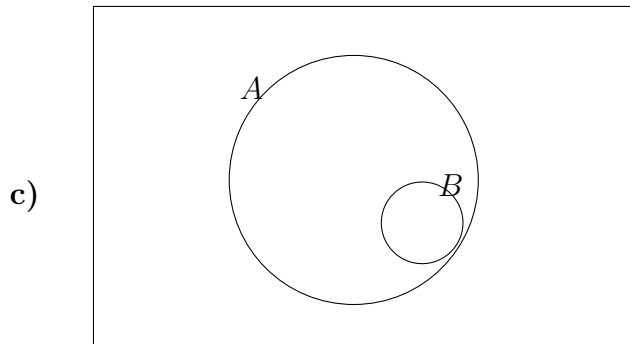
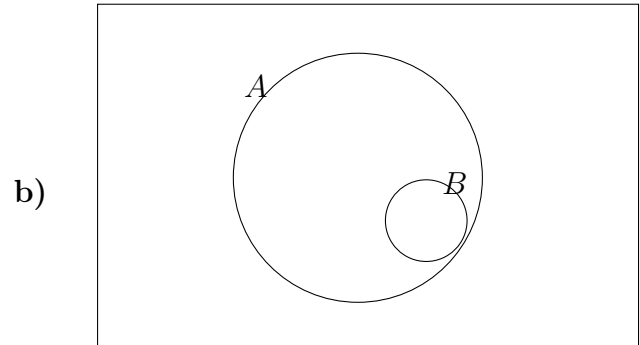
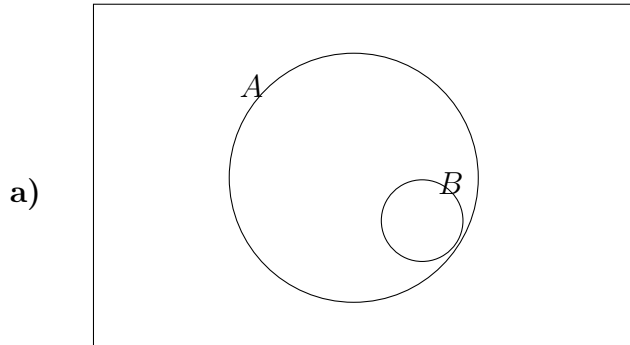
c) \overline{B}

e) $\overline{A} \cup B$

b) \overline{A}

d) $A \cup B$

f) $A \cap \overline{B}$



Exercice 4 : En utilisant la notation des ensembles, décrire les régions hachurées ci-dessous :

(a)

(b)

(c)

