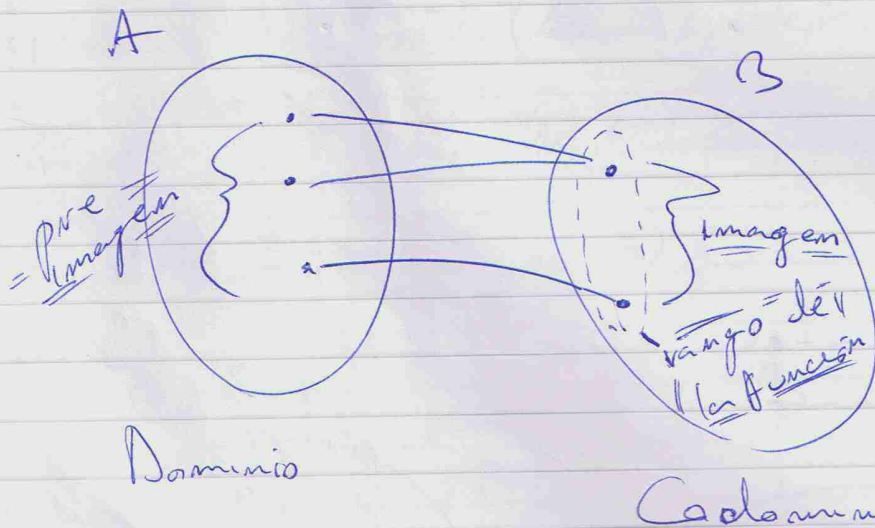
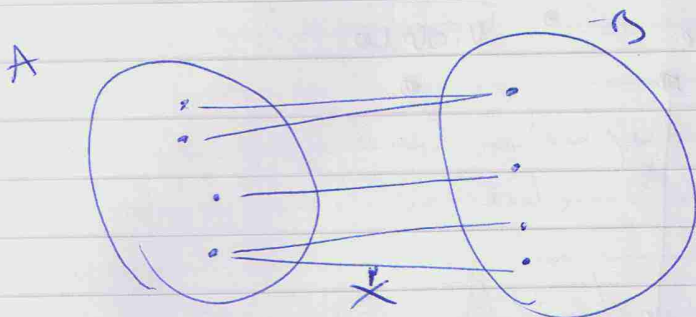


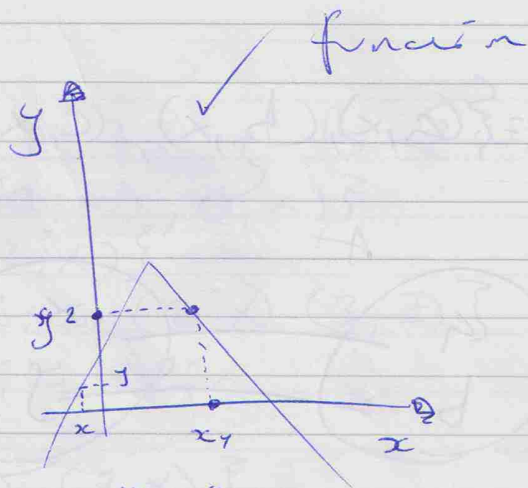
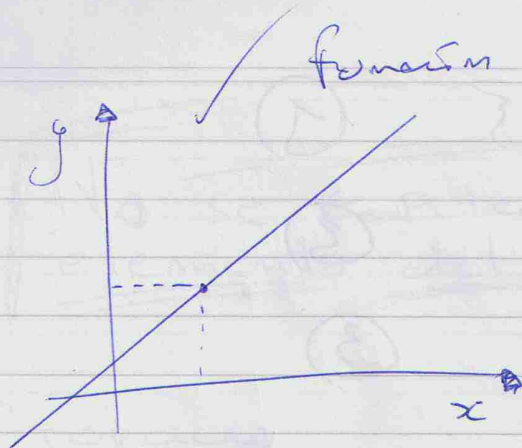
D

A

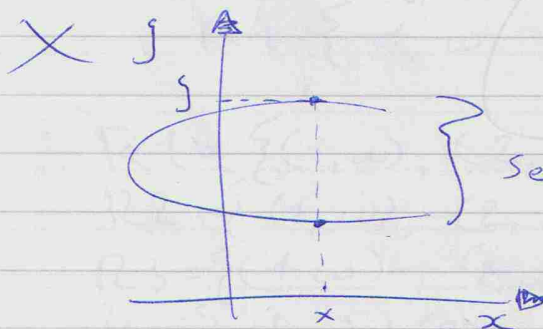
X

## Funciones

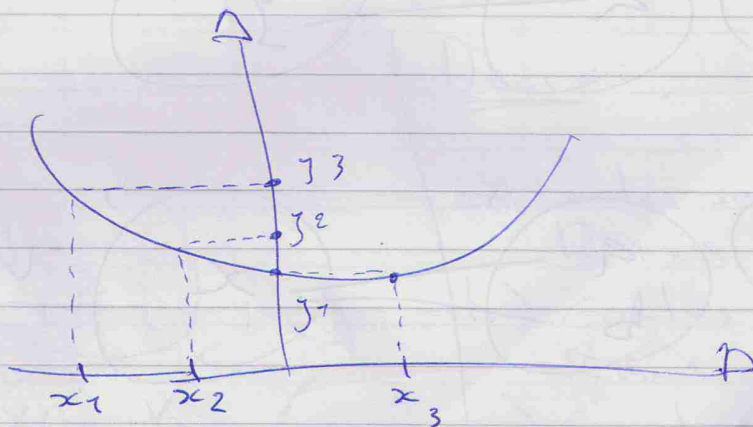




na função



Se repetir "X"

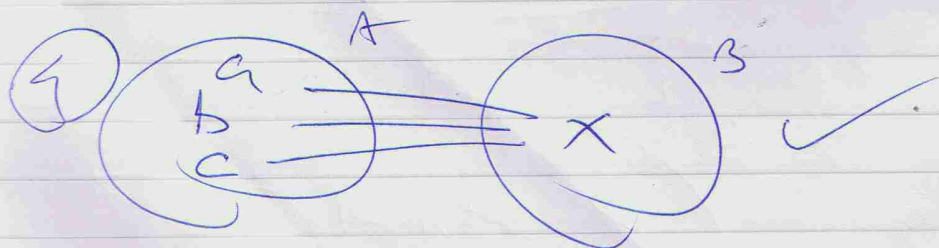
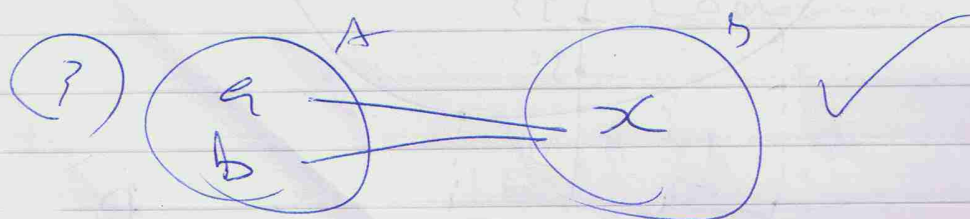
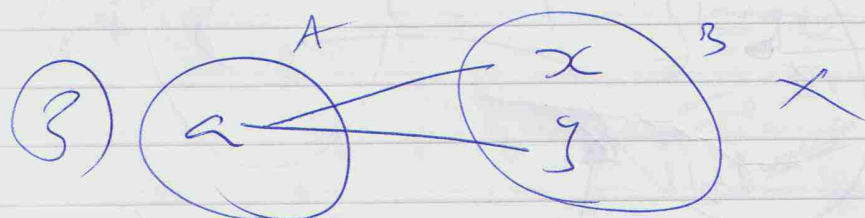
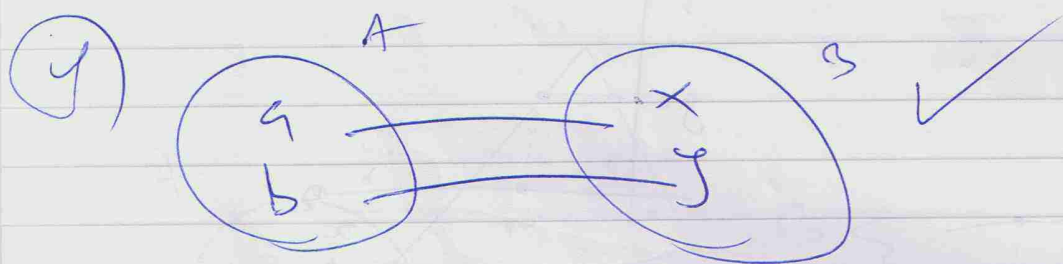


$$R_1 = \{(a, x), (b, y)\} \quad (1)$$

$$R_2 = \{(a, x), (a, y)\} \quad (2)$$

$$R_3 = \{(c, x), (b, x)\} \quad (3)$$

$$R_4 = \{(a, x), (b, x), (c, x)\} \quad (4)$$



No se repite el primer elemento del par ordenado //

## Ejercicios

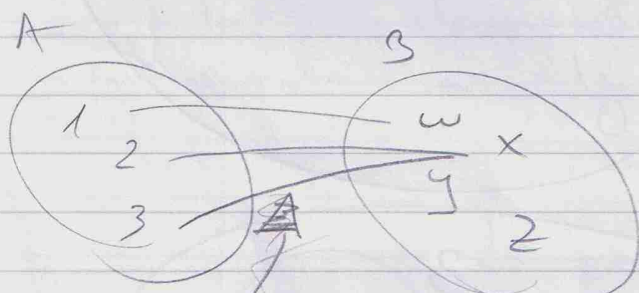
Sean  $A = \{1, 2, 3\}$  y  $B = \{w, x, y, z\}$   
 $R1 = \{(1, w), (2, x), (3, x)\}$   
 $R2 = \{(1, w), (2, x)\}$   
 $R3 = \{(1, w), (2, w), (2, x), (3, z)\}$   
 $R4 = \{1, w \quad 2, w \quad 2, x\}$

$R1 = \{(1, w); (2, x); (3, x)\}$

$R2 = \{(1, w); (2, x)\}$

$R3 = \{(1, w); (2, w); (2, x); (3, z)\}$

$R4 = \{(1, w); (2, w); (2, x); (3, z)\}$



$R_{A \times B}$  ✓

$f_{A \times B}$  ✗

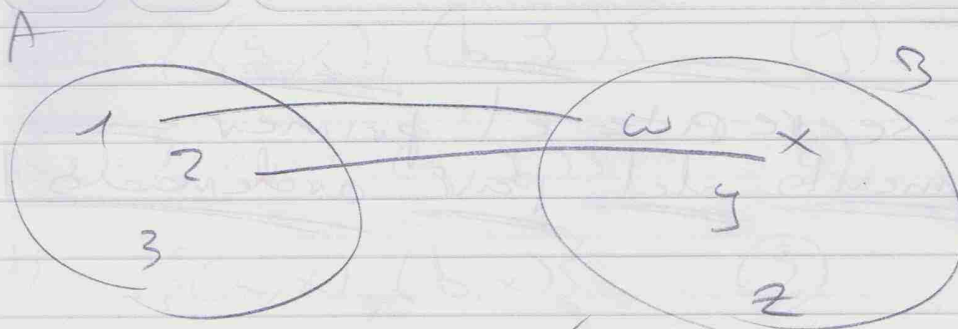
Decir:

a) Cuales son  $R_{A \times B}$

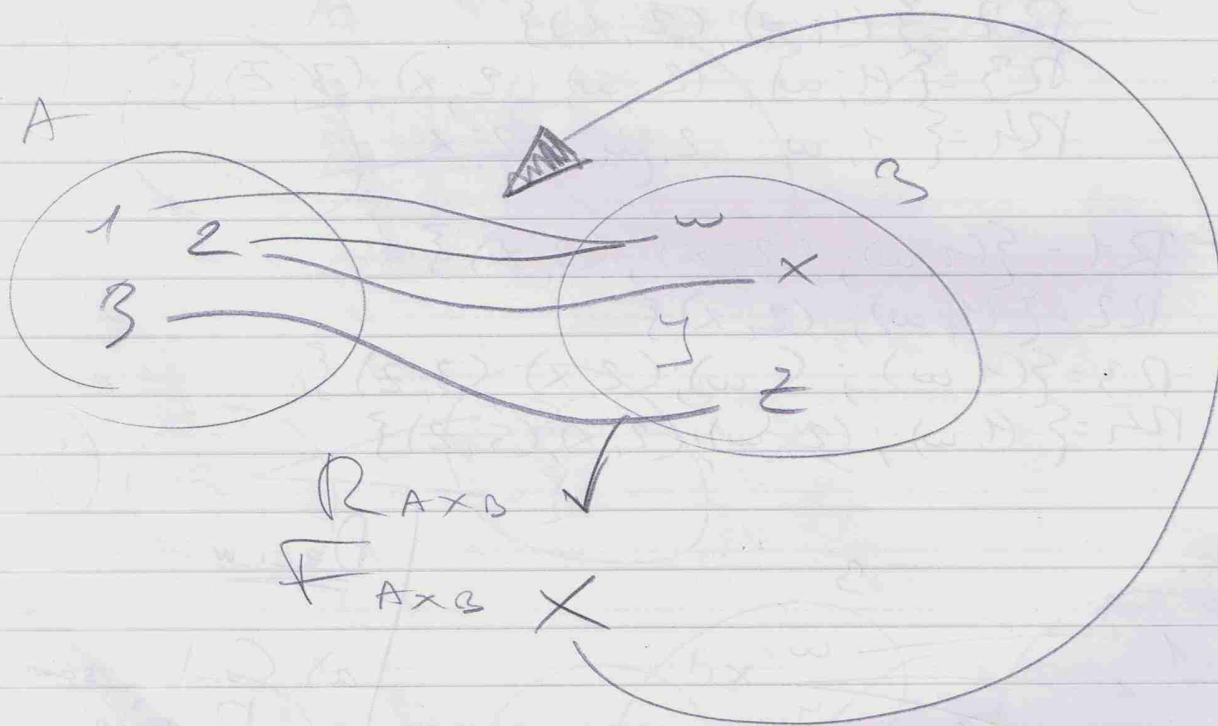
b) Cuales son  $R_{B \times A}$

c) Cuales y por qué son  $F_{A \times B}$

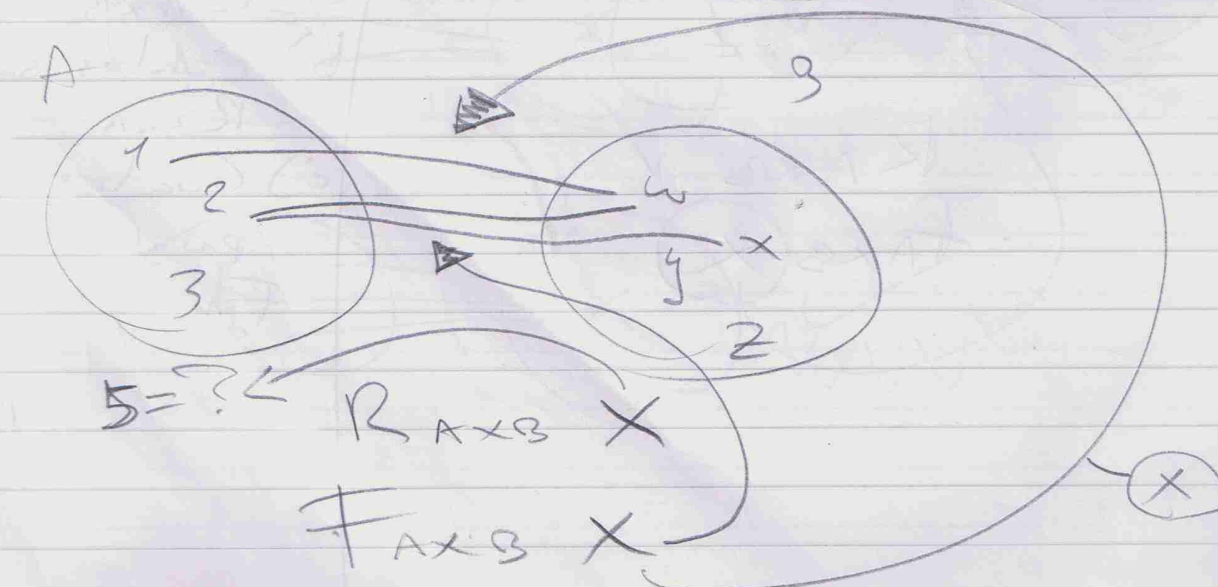




$R_{A \times B} \checkmark$   
 $F_{A \times B} \checkmark$



$R_{A \times B} \checkmark$   
 $F_{A \times B} \times$



$5 = ? \leftarrow R_{A \times B} \times$   
 $F_{A \times B} \times$