Problemas de Conjuntos

① Forma **Enumerativa**

$U = \{1, 2, 3, 4, 5, 6\}$ $A = \{1, 2, 3\}$
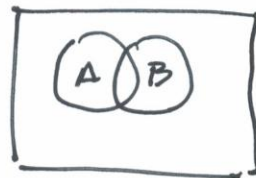
$B = \{3, 4, 5\}$

· $A \cap B = \{3\}$

· $A^c = \{4, 5, 6\}$

② FORMA Costructiva - **Constructiva**

$U = \mathbb{R}^+$ $A = \{x \mid 6 \leq x < 10\}$

$B = \{x \mid 2 < x \leq 8\}$

· $A \cap B = \{x \mid 6 \leq x \leq 8\}$

③ Diagramas **Venn**

oscurescer

$A \cap B$

④ TABLA DE Contingencia

		Shock Resistance		
		A high	A^c low	
Scratch B high		70	9	79
Resistance B^c low		16	5	21
		86	14	100

A = evento high school resistance
B = evento high scratch resistance

Determine numer of disk

- $A \cap B = 70$
- $A^c = 14$
- $A \cup B = A + B - A \cap B$
  $$86 + 79 - 70 = 95$$
  $$86 + 79 - 70$$