Pregunta ⑧   I Parte

$A = \{x \mid x \in \mathbb{N}, x \text{ primo}, x < 11\}$

$\Rightarrow A = \{2, 3, 5, 7\}$

$B = \{x \mid x \in \mathbb{N}, x = 2a + 1, a \in \mathbb{N}, 1 < a < 5\}$

$\Rightarrow$ a puede ser 2, 3, 4

$\therefore \quad x(a) = 2a + 1$

$x(2) = 2 \cdot 2 + 1 = 5$

$x(3) = 2 \cdot 3 + 1 = 7$

$x(4) = 2 \cdot 4 + 1 = 9$

$B = \{5, 7, 9\}$

$D = \{2, 3, 4, 5\}$

Universo:

$\mathbb{U} = \{1, 2, 3, 4, 5, 6, 7, 8, 9, 10\}$

Resolver: $(A \oplus D)^c \setminus [(B \cup D) \cap A]$
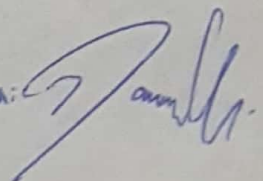
$\Rightarrow A \oplus D = \{4, 7\}$

$\Rightarrow (A \oplus D)^c = \{1, 2, 3, 5, 6, 8, 9, 10\}$

$\Rightarrow (B \cup D) = \{2, 3, 4, 5, 7, 9\}$

$\Rightarrow (B \cup D) \cap A = \{2, 3, 5, 7\}$

Nombre: José Daniel Rodríguez Sánchez   Firma:

Cédula: 1-1172-0707

Pregunta ⑧

$$(A \oplus D)^c \setminus [(B \cup D) \cap A] =$$

$$= \{1,2,3,5,6,8,9,10\} \setminus \{2,3,5,7\}$$

$$= \{1, 6, 8, 9, 10\}$$

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Cédula: 1-1172-0707