Sets

Challenging problems-I

- (1) If $n(A \cap B) = 4$ and n(A) = 7 then find minimum value of n(B)
 - (A) 7 (B) 5 (c) 0 (d) 4

(2) If
$$A = \{x, y\} : x + 2y = 7\}$$

$$B = (x, y) : x + 2y = 8$$
 then $n(A \cap B) =$

- (A) 0 (B) 1 (C) ∞ (D) More than 1
- (3) If \cup is universal set for A & B then $B A^c$ is.
 - (A) $A \cup B$ (B) $(A \cap B)$ (C) A-B (D) B^c



Sets

Challenging Problems-II

- 1. Draw Venn diagram of $A\Delta B^c$
- 2. Write the following set in roaster form :

A = {x|x is a positive integer less than 10 and $2^{x}-1$ is an odd Number}

3. If aN = {ax : $x \in N$ }, then the set 6N \cap 8N is equal to-

(1) 8N (2) 48N (3) 12N (4) 24N

