Answer no: 2

(a) $A = \{x \in N \mid 3 < x < 9\}$

Given that, $N = \{1, 2, 3 \ldots\}$

A set contains natural numbers greater than 3 and less than 9.

$\therefore A = \{4, 5, 6, 7, 8\}$

(b) $B = \{x \in N \mid x \text{ is even}, x < 11\}$

B set contains natural number less than 11 and they are even.

$\therefore B = \{2, 4, 6, 8, 10\}$

(c) $C = \{x \in N \mid 4 + x = 3\}$

C set contains number that we found by solving,

$4 + x = 3$

$\Rightarrow x = -1$

Since C set contains natural number so -1 is not allowed. The set will be null.

$C = \{\}$