

Challenging Questions (Answer in comment box)

Q.1 If $A = \{1, 2, 3, 4, 5\}$ and $X = \{x : x \in A\}$. How many different sets can be in place of X where $n(X)=2$.

Q.2 Find area of the region given by $\{(x, y) : -1 \leq x \leq 1, -1 \leq y \leq 1\}$ on xy plane.

Q.3 If $A = \{1, 2, 3, 4\}$, $B = \{0, 1, 3, 5, 7\}$ then find X in roaster form where $X = \{x : x \in A, x \in B\}$.

Q.4 If $A = \{1, 2, 3, 4\}$, $B = \{0, 1, 3, 5, 7\}$ then find X in roaster form where $X = \{x : x \in A, x \notin B\}$.

Q.5 If $A = \{1, 2, 3, 4\}$, $B = \{0, 1, 3, 5, 7\}$ then find X in roaster form where $X = \{x : x \in A \text{ or } B\}$.