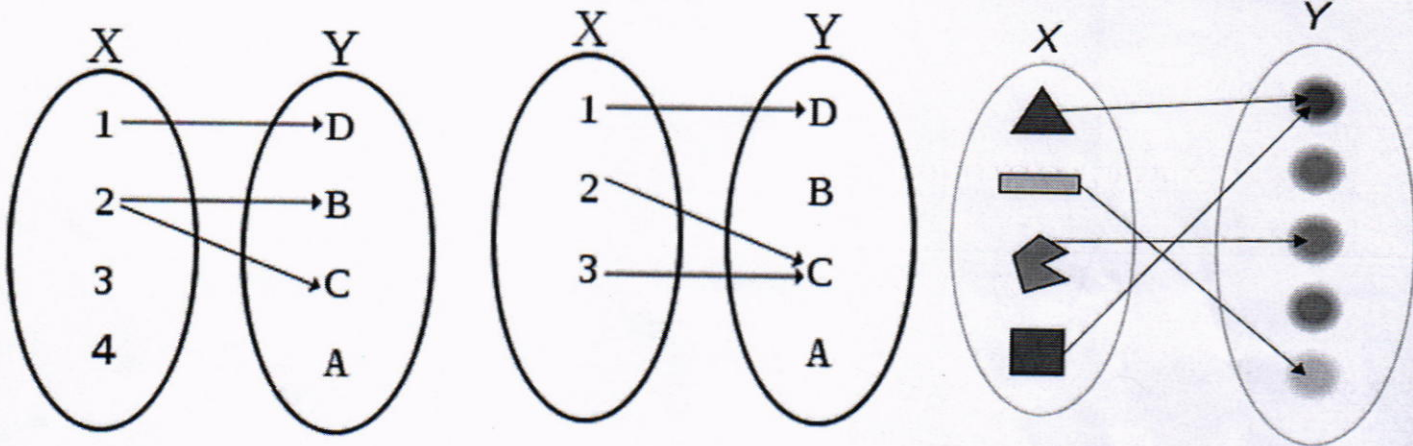


Homework

Q1\ determine this function or not?



Q2\ let $x = \{-2, -1, 0, 1, 2\}$ and $f(x) = x^3 + 1$, find range?

Q3\ let $x = \{1, 2, 3, 4\}$, $f(x) = x^2$ find this function one-to-one, onto.

Q4\ let $A = \{1, 2, 3\}$, $B = \{1, 3, 5\}$ and F is a function from A to B ($F: A \rightarrow B$)

$$F1 = \{(1, 5), (2, 1), (3, 3)\}$$

$$F2 = \{(1, 3), (2, 1), (2, 5), (3, 3)\}$$

Find the properties of $F1$ and $F2$, then find $F1^{-1}, F2^{-1}$.

$a > 1$