

MODEL ACTIVITY TASKS
CLASS – XII
MATHEMATICS

Write the answers to the following questions :

1. Write the domain of the relation $\{(1,4), (4,4), (6,4), (8,4)\}$.
2. Let $A = \{3,5\}$, $B = \{9,13\}$ and $R = \{(a,b) : a \in A, b \in B, a - b \text{ is odd}\}$. Show that R is an empty relation.
3. Let $A = \{0,1\}$. Find all one-to-one functions from A to A.
4. If $f: A \rightarrow B$ and $g: B \rightarrow C$ are two one-to-one functions, show that $g \circ f$ is a one-to-one function.

Students will write answers to these activity tasks in subject specific exercise books at home, and submit the exercise books to respective subject teachers after schools reopen.
Under no circumstance, students will go out of home.