

Worksheet: Relations and Functions

CBSE · Class 11 · Mathematics · 3 questions · 12 marks

Name: _____	Date: _____	Score: _____ / 12
-------------	-------------	-------------------

Q1. If $A = \{1, 2\}$ and $B = \{a, b, c\}$, find $A \times B$ and state $n(A \times B)$. *[2 marks]*

Q2. Find the domain and range of $f(x) = (9 - x^2)$. *[4 marks]*

Q3. Let $f: \mathbb{R} \rightarrow \mathbb{R}$ be defined by $f(x) = 2x+3$. Prove that f is bijective. *[6 marks]*