

Worksheet: Relations and Functions

West Bengal State Board · 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]
