

Chapter 1

Functions and Graphs

Review Exercise Solution

Review Exercise 1.312

Instruction

Is it true or false that a relation that passes the horizontal and vertical line tests is a one-to-one function.

Solution

A relation that passes the vertical line test is a function, since each input has exactly one output. If it also passes the horizontal line test, then each output comes from exactly one input. Therefore, it's a one-to-one function.

Answer

True.