<u> </u>)	DIGI
NAME		DATE	100000
Module 9 Lesson 1	Using Functions Defining Relations and Functions	g	uided otes
Lesson	Objectives		CCCC
 Represe coordin Determ Determ 	ent a relation in set notation, a table, a ma ate graph, an equation, and a relation rule ine domain and range of a relation. ine whether a relation is a function.	apping diagram, a	Lanna
A	is a set of ordered pa	irs.	
The set of all	first coordinates of the ordered pairs i	s called the	
	of the relation.		
The set of all	second coordinates is called the	of	
the relation.			
Another way	to represent a relation is to use a		
The elements	of the domain are called	, and the	
elements of th	ne range are called		
Sometimes a	relation is represented by a		
Another way	to represent a relation is to draw its $_$		
Find the	domain and range of the relation shown.		
03 BestQuest			• · · · · · · · · · · · · · · · · · · ·
ন্থ © Module 9 Lesson	1 99		Guided Notes

 \oplus

ę

DIGITAL

Ways to represent a	:	
• set of ordered pairs		
• mapping diagram		
• table		
• equation		
• graph		
Represent the relation ordered pairs. Then, de	shown in the mapping diagram as a set of etermine the domain and range of the relation.	$ \begin{array}{c} 0 \\ 1 \\ 2 \\ 3 \\ 4 \\ 4 \\ 4 \end{array} $
A domain exactly one elements When no two elements of the range, it is called	is a relation that assigns to each elemen ent of the range. T the domain are mapped to the same elemer mapping.	nt of the
A	line is a constant function.	
A part of a line.	function is a function whose graph is a 1	line or
If a of the graph of a relation,	line passes through no more than one , then the relation is a function.	point
	100	

Æ

DIGITAL

3 Use the vertical line test to determine which graphs represent functions.











Module 9 Lesson 1

Guided Notes

Æ

DIGITAL