

## MAT.08.CR.1.0000F.E.135 C1 TE

Sample Item ID:	MAT.08.CR.1.0000F.E.135
Grade:	08
Claim(s):	<b>Claim 1: Concepts and Procedures</b> Students can explain and apply mathematical concepts and carry out mathematical procedures with precision and fluency.
Assessment Target(s):	1 E: Define, evaluate, and compare functions.
Content Domain:	Functions
Standard(s):	8.F.1
Mathematical Practice(s):	1, 2
DOK:	1
Item Type:	CR
Score Points:	1
Difficulty:	L
Key:	See Sample Top-Score Response.
Stimulus/Source:	
Claim-specific Attributes (e.g., accessibility issues):	
Notes:	The purpose of the item is to determine whether students understand that a function assigns exactly one output to each input in its domain.  The table consists of a response space in each blank cell. Each response space allows for a maximum of 3 digits.

Fill in each  $x$ -value and  $y$ -value in the table below to create a relation that is **not** a function.

$x$	$y$

*Sample Top-score Response:*

<b><i>x</i></b>	<b><i>y</i></b>
4	0
4	1
4	2
4	3
4	4

*Scoring Rubric:*

Responses to this item will receive 0-1 point, based on the following:

**1 point:** The student shows a thorough understanding of the definition of a function. The student creates a relation that is not a function.

**0 points:** The student shows no understanding of the definition of a function. The student creates a relation that is a function.