TEKS 2A.1.A

LESSON 1-6

Relations and Functions

Know it! Note

Lesson Objectives (p. 44):

Vocabulary

1. Relation (p. 44): _____

2. Domain (p. 44): _____

3. Range (p. 44): _____

4. Function (p. 45): _____

Key Concepts

5. Vertical-Line Test (p. 46):

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LESSON 1-6

Relations and Functions

Know it! Note

Lesson Objectives (p. 44):

identify the domain and range of relations and functions.

Vocabulary

1. Relation (p. 44): a pairing of input values with output values.

2. Domain (p. 44): the set of input values for a relation.

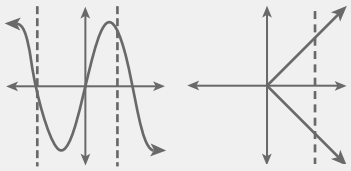
3. Range (p. 44): the set of output values for a relation.

4. Function (p. 45): a relation in which the first coordinate is never repeated. There is only one output for each input, each element of the domain is mapped to exactly one element of the range.

Key Concepts

5. Vertical-Line Test (p. 46):

If any vertical line passes through more than one point on the graph of a relation, the relation is not a function.



Function

Not a function

6. Get Organized In each box, give an example of a table, a graph, and a set of ordered pairs. (p. 46).

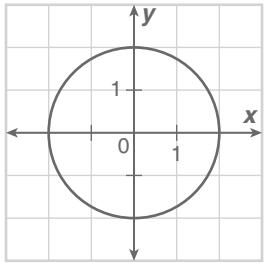
Relation

Function

6. Get Organized In each box, give an example of a table, a graph, and a set of ordered pairs. (p. 46).

Relation
{(–2, 0), (0, 2), (0, –2), (2, 0)}

x	–2	0	0	2
y	0	2	–2	0



Function
{(–2, 2), (–1, 1), (0, 0), (1, 1), (2, 2)}

x	–2	–1	0	1	2
y	2	1	0	1	2