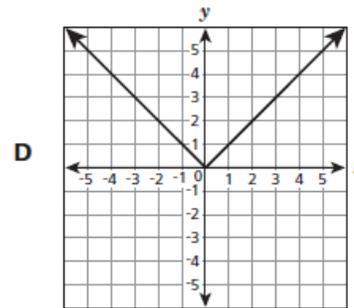
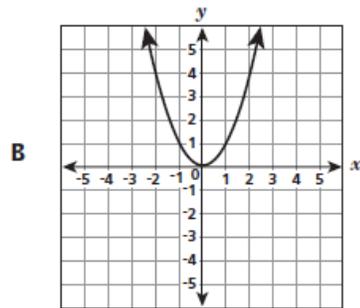
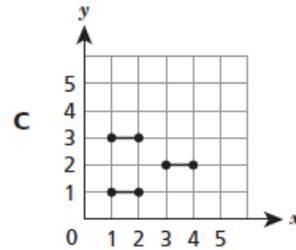
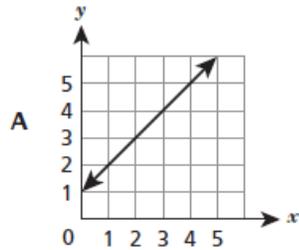


Name: _____
8.F.1

Date: _____

____1. Which graph below does **not** represent a function of x ? (2013)



____2. The four tables below show relationships in which the x values represent inputs and the y values represent the corresponding outputs. (2014)

Q	
x	y
-2	-3
1	3
3	-3
5	3

R	
x	y
-1	-5
2	4
3	7
4	10

S	
x	y
-2	3
1	3
3	3
5	3

T	
x	y
3	4
4	5
3	-4
4	-5

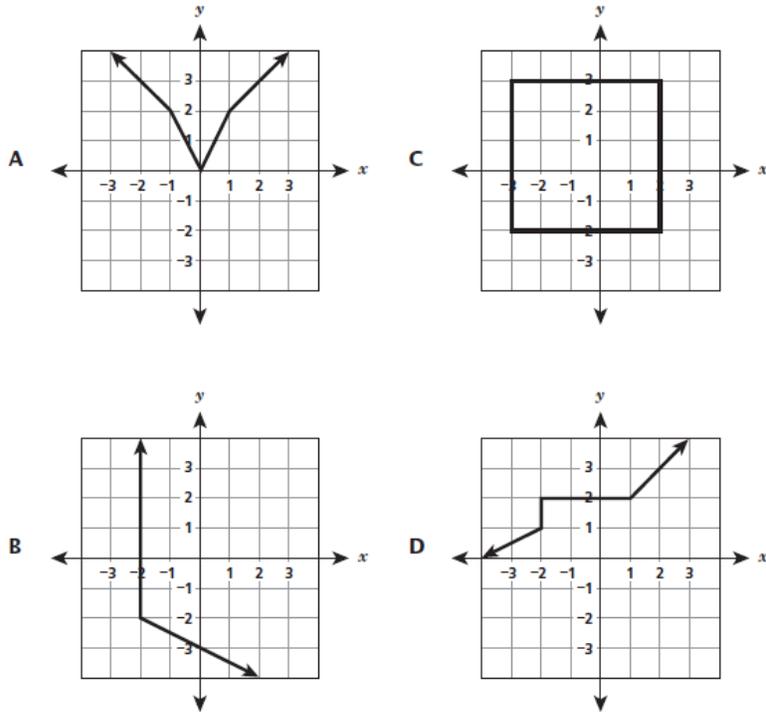
Which table represents a relationship that is **not** a function?

- A. Q B. R C. S D. T

____3. Which set of ordered pairs represents a function? (2017) no calculator

- A. $\{(2, 7), (2, 8), (3, 8)\}$ C. $\{(4, 1), (5, 1), (4, 4)\}$
 B. $\{(3, 2), (3, 3), (3, 4)\}$ D. $\{(5, 6), (8, 6), (9, 6)\}$

4. Which graph represents a function? (2014)



5. Which table represents a relation that is **not** a function? (2016)

A

Input	Output
1	1
2	1
3	1
4	1

C

Input	Output
-1	-7
-2	11
-3	13
-4	105

B

Input	Output
2	0
4	1
6	2
8	0

D

Input	Output
3	0
5	2
7	1
3	-4

6. Which set of ordered pairs does represent a function? (2019)

A. $\{(1, 10), (3, 18), (5, 26), (7, 34), (9, 42)\}$

C. $\{(0, 8), (5, 4), (10, 0), (15, 4), (20, 8)\}$

B. $\{(2, 10), (3, 20), (4, 15), (5, 5), (6, 25)\}$

D. $\{(9, 1), (6, 2), (3, 3), (6, 4), (9, 5)\}$

_____7. Which statement **best** explains whether these ordered pairs represent a function? (2017)

$(-4, 2), (6, 7), (-8, 3), (9, 10), (12, 14), (6, 9)$

- A. The ordered pairs represent a function because no output values are repeated.
- B. The ordered pairs represent a function because each output value is greater than each input value.
- C. The ordered pairs do not represent a function because one input value has two different output values.
- D. The ordered pairs do not represent a function because the difference between the input and output of each ordered pair is not the same.

_____8. In each table, x represents the input value and y represents the output value. Which table does **not** represent a function of x ? (2018)

A

x	y
0	0
1	1
2	2
3	3

C

x	y
0	3
1	3
2	3
3	3

B

x	y
3	0
2	1
1	2
0	3

D

x	y
3	0
3	1
3	2
3	3

_____9. The set of ordered pairs below represents a relation that is a function.

$\{(-2, 8), (4, 6), (10, 4)\}$

Which point, when added to the set, would form a relation that is **not** a function? (2019)

- A. $(0, 6)$ B. $(4, 2)$ C. $(-6, 8)$ D. $(-8, 10)$

_____10. Which set of ordered pairs represents a function? (2022)

- A. $\{(-20, 30), (-40, 0), (-40, 50)\}$
- B. $\{(-30, 0), (-30, 20), (-30, 50)\}$
- C. $\{(-40, 0), (20, -30), (60, -50)\}$
- D. $\{(-50, 0), (20, -30), (-50, 60)\}$

11. The table below shows a relation between x and y .

(2015)

x	y
-4	16
-2	4
0	0
2	4
4	16
6	36

Susie said the relation above is also a function. Explain why Susie is correct or incorrect.
