QUIZIZZ

Relations and Functions
21 Questions

NAME : _____

CLASS : _____

DATE : _____

1.   Which relation is NOT a function?

| A | {(3,-2), (5,-6), (7,7), (8,8)} | B | {(1,-5), (-1,6), (1,5), (6,-3)} |
| C | {(1,-5), (3,1), (-5,4), (4,-2)} | D | {(2,7), (3,7), (4,7), (5,8)} |

2.   All of the x values or inputs are called what?

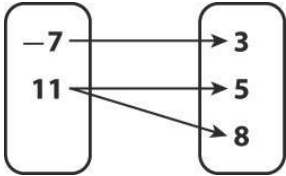| A | Function | B | Relation |
| C | Range | D | Domain |

3.   All of the y values or outputs are called what?

| A | Domain | B | Relation |
| C | Range | D | Function |

4.

What is the range of the relation shown on the mapping diagram?

| A | R:{3, 5, 8, 12} | B | R:{-7, 11} |
| C | R:{all real numbers} | D | R:{3, 5, 8} |

5.   In the given relation, what domain value corresponds to the range value -2?
{(-1,2), (-2,4), (2,5), (0,-2), (2,0)}

| A | 0 | B | 4 |
| C | 2 | D | -2 |

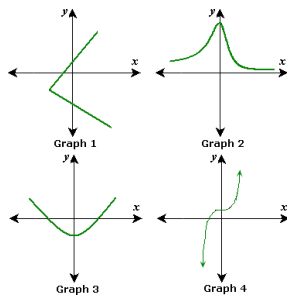6.   Which of the following is not a function?

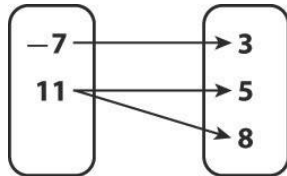| A | {(1,2), (2,2), (3,2), (4,2)} | B | {(0,2), (1,3), (4,3), (1,2)} |
| C | {(1,3), (4,2), (2,0), (3,4)} | D | {(0,1), (1,2), (2,3), (3,4)} |

7.

Which graph does NOT pass the vertical line test?

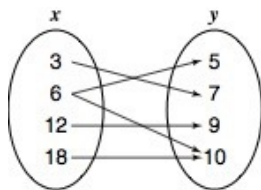| A | Graph 1 | B | Graph 3 |
| C | Graph 4 | D | Graph 2 |

8.

Is the relation a function? Why.

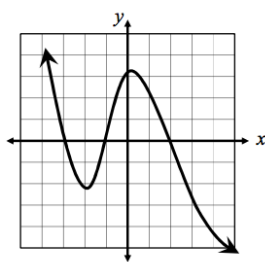| A | No, because the x-value 11 has two y-values pair with it. | B | No, because each x-value has only one y-value paired with it. |
| C | Yes, because each x-value has only one y-value paired with it. | D | Yes, because the x-value 11 has two y-values pair with it. |

9.

Is this mapping a function or not a function?
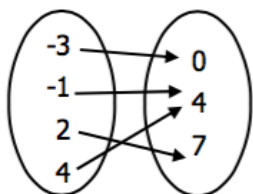
| A | Not a Function | B | Function |

10.

Is this graph a function or not a function?

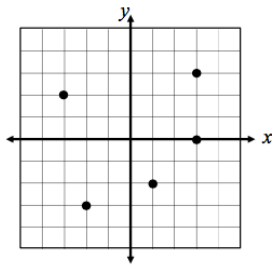| A | Function | B | Not a Function |

11.

Is this mapping a function or not a function?

| A | Function | B | Not a Function |

12.

Is this graph a function or not a function?

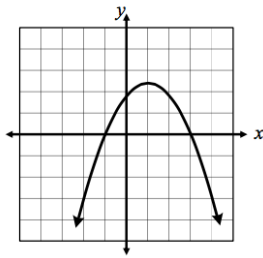A   Not a Function   B   Function

13.

Is this graph a function or not a function?

A   Not a Function   B   Function

14.

Is this graph a function or not a function?

A   Not a Function   B   Function
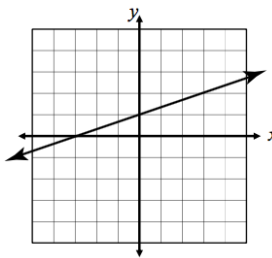
15.

Is this graph a function or not a function?

A   Not a Function   B   Function
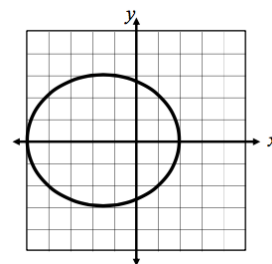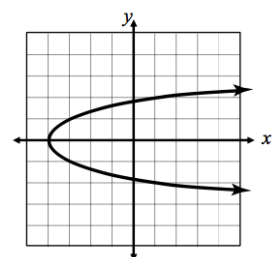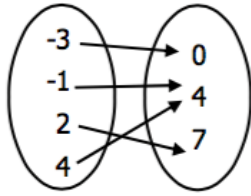
16.

Is this graph a function or not a function?

A   Not a Function   B   Function

17.

Is this mapping a function or not a function?

| A | Function |

| B | Not a Function |

18. $(1, -7), (1, -5), (2, -4), (3, -1), (4, 1)$ Determine if the following relation describes a function

| A | Not a Function |

| B | Function |

19. $(-3, 1), (0, 0), (3, 1), (6, 4), (9, 9)$ Determine if the following relation represents a function

| A | Not a Function |

| B | Function |

20.

Input	Output
6	5
7	1
8	-3

Determine if the following relation describes a function

| A | Function |

| B | Not a Function |

21.

Input	Output
4	1.5
-2	3.0
-2	3.5
0	4.5

Determine if the following relation describes a function

| A | Not a Function |

| B | Function |