

Name \_\_\_\_\_

Date \_\_\_\_\_

## Comparing Functions in Different Formats - Matching Worksheet

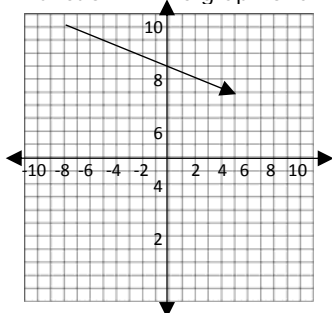
Write the letter of the answer that matches the problem.

1. Two functions are represented in different ways.

Function 1: The input-output table shows the x- and y-values of a quadratic function.

x	y
1	1
2	4
3	9
4	16
5	25
6	36
7	49

Function 2: The graph of a linear function is shown.



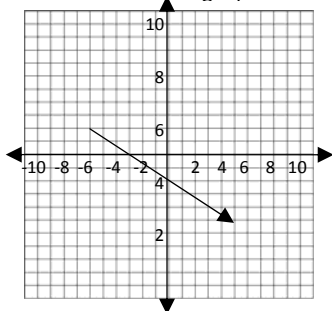
- a. Function 1 displays linear growth, function 2 displays linear decay.

2. Two functions are represented in different ways.

Function 1: The input-output table shows the x- and y-values of a quadratic function.

x	y
1	4
2	5
3	6
4	7
5	8
6	9
7	10

Function 2: The graph of a linear function is shown.



- b. Function 1 displays exponential growth, function 2 displays linear decay.

From the two functions, which function grows faster for large positive values of  $x$ ?

