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Date _____

Comparing Functions in Different Formats - Guided Lesson

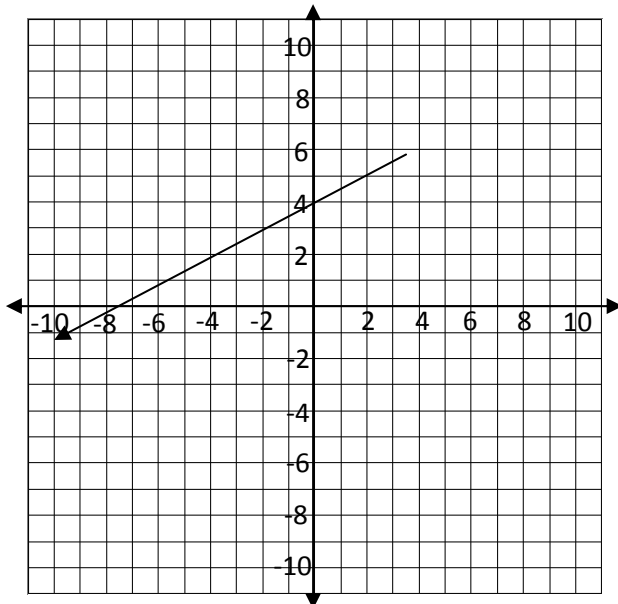
Complete the following problems:

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
0	0
1	2
2	4
3	6
4	8
5	10
6	12

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

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

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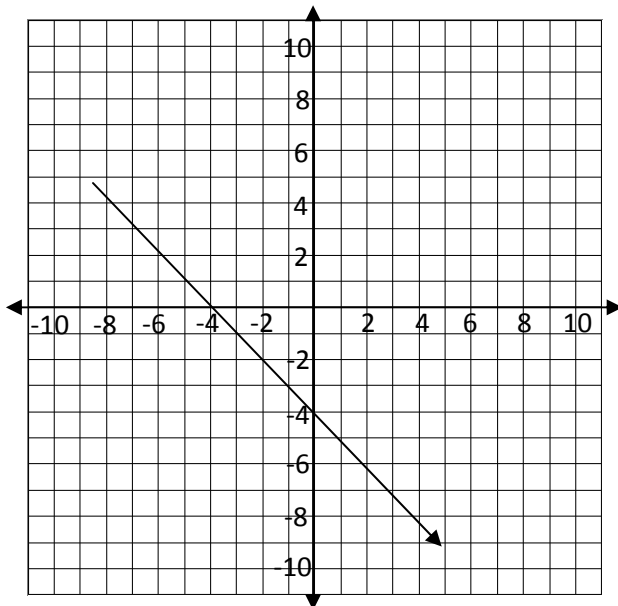
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2) Two functions are represented in different ways.

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

x	y
2	4
4	16
6	36
8	64
10	100
12	144
14	196

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



From the two functions, which function grows at a slower rate (in x value)?



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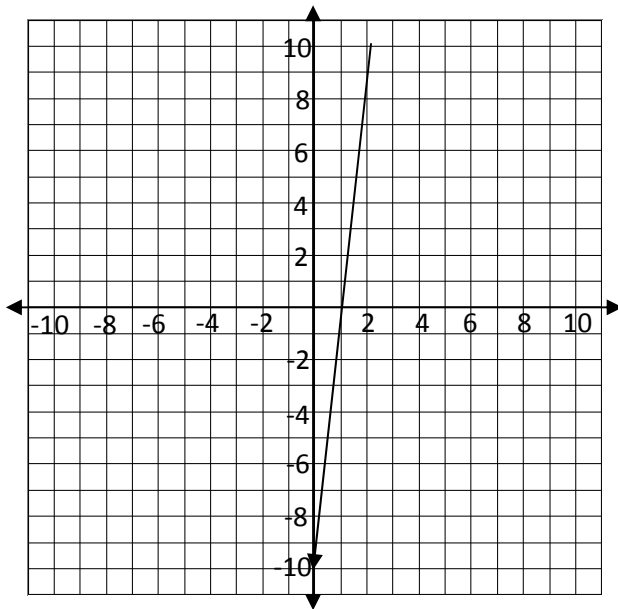
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3) Two functions are represented in different ways.

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

x	y
2	8
3	27
4	64
5	125
6	216
7	343
8	512

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



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

