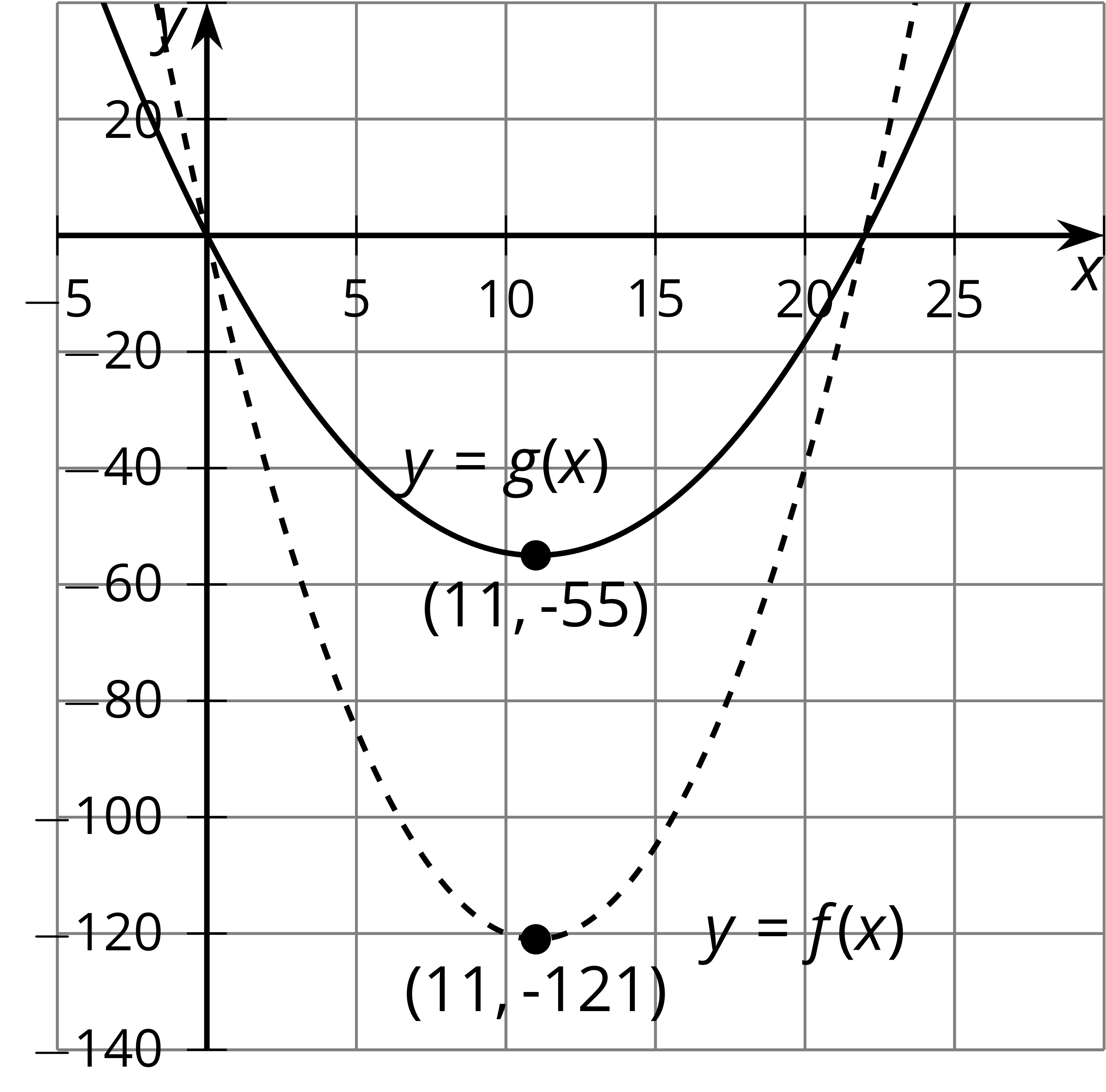
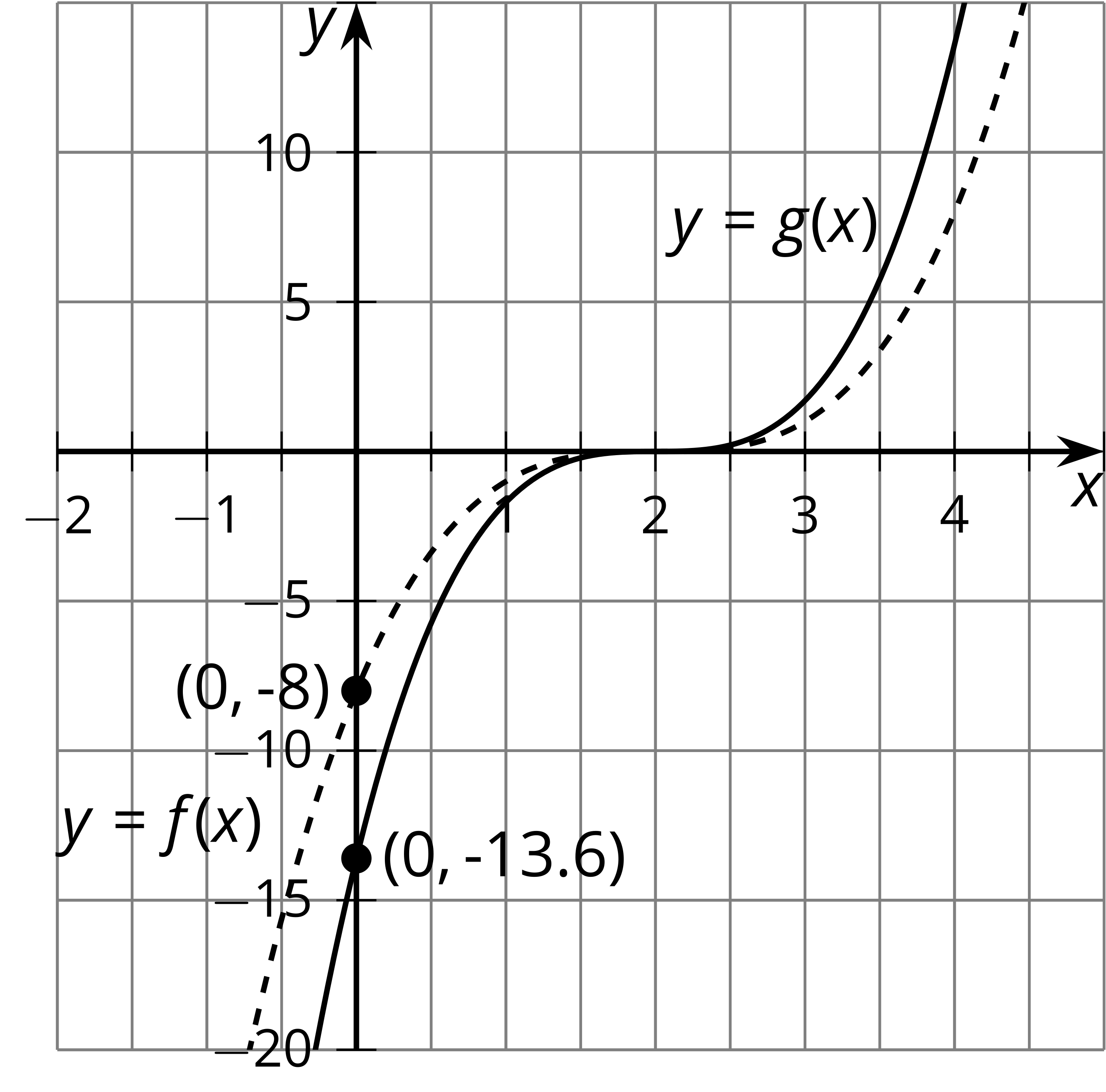
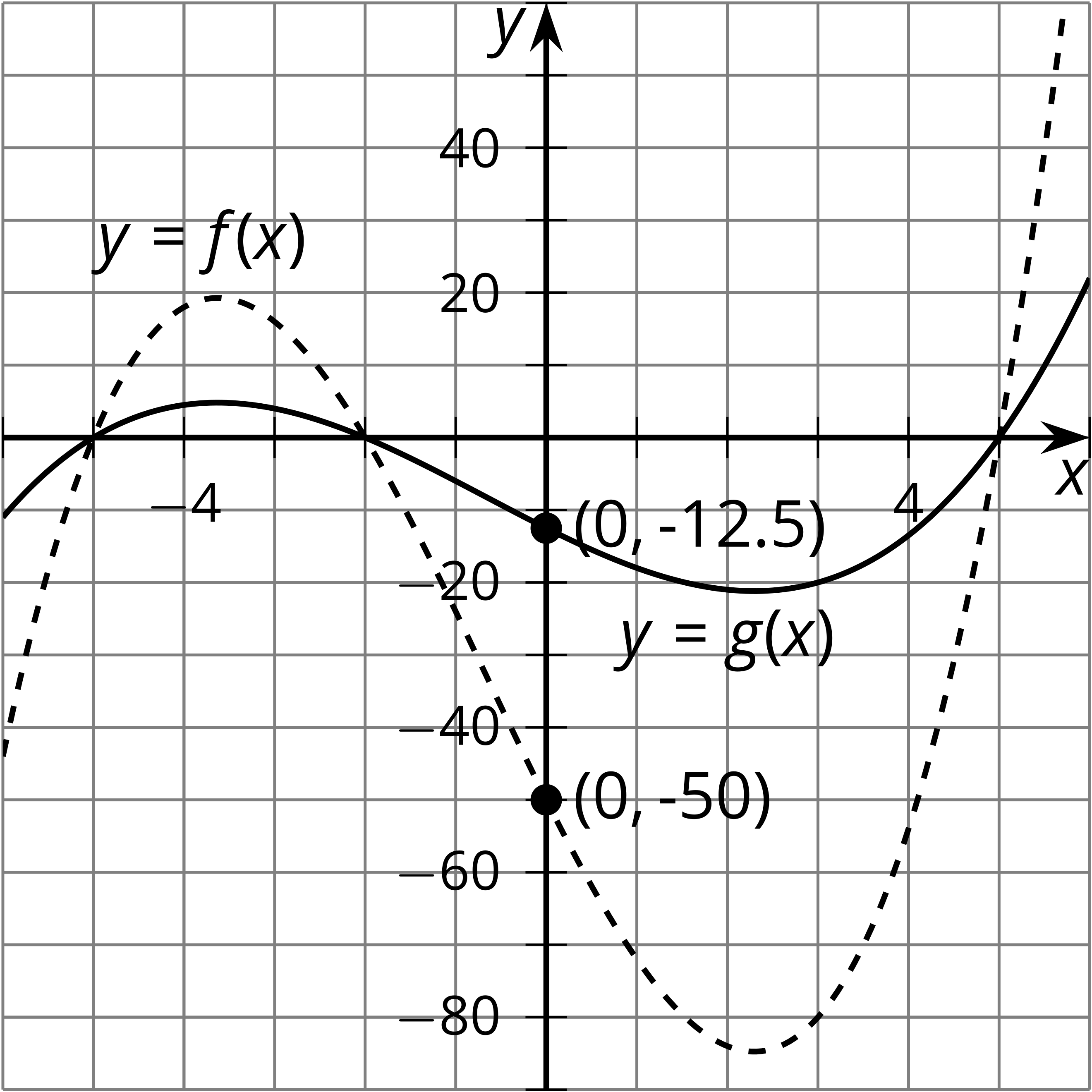
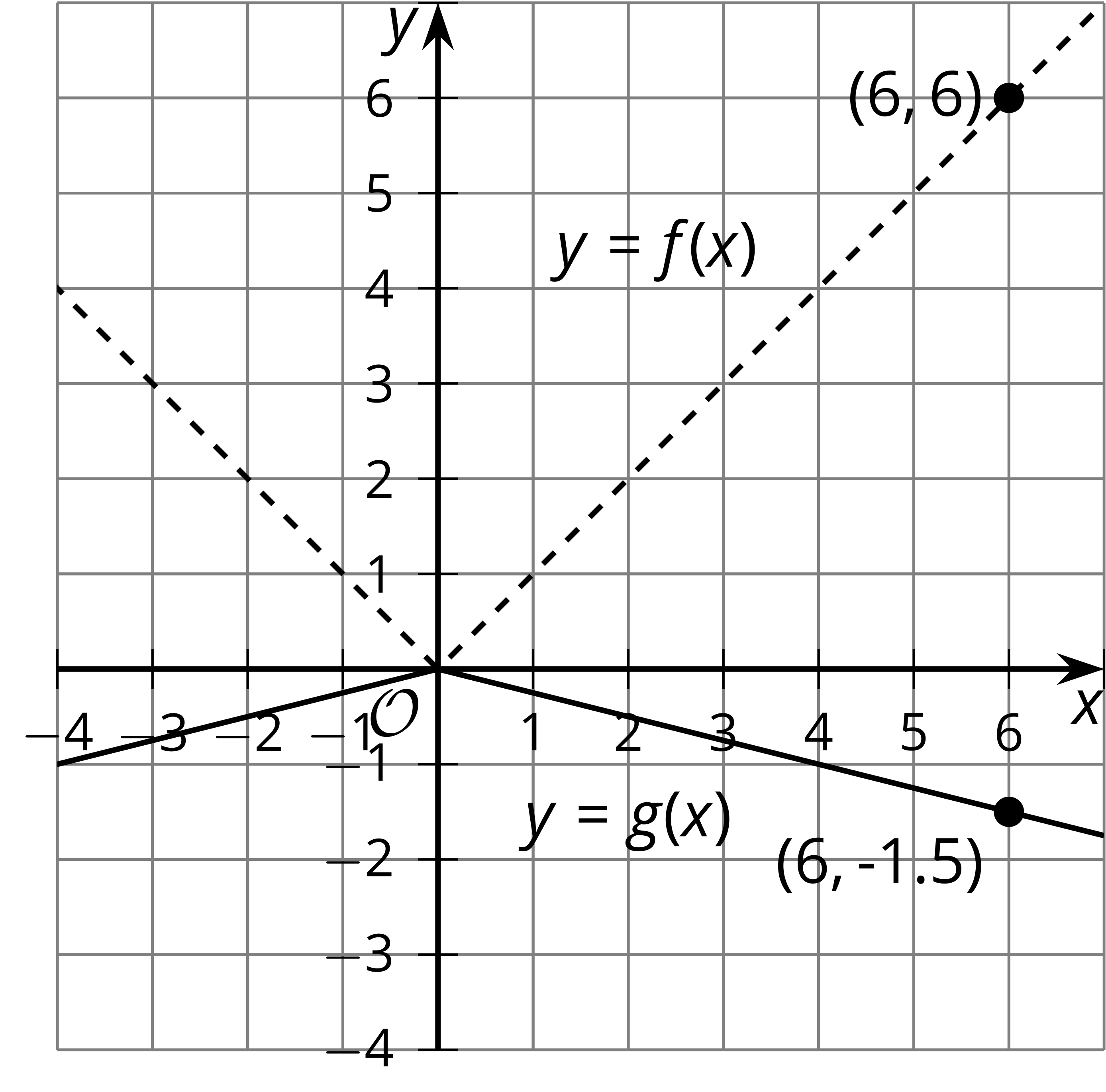
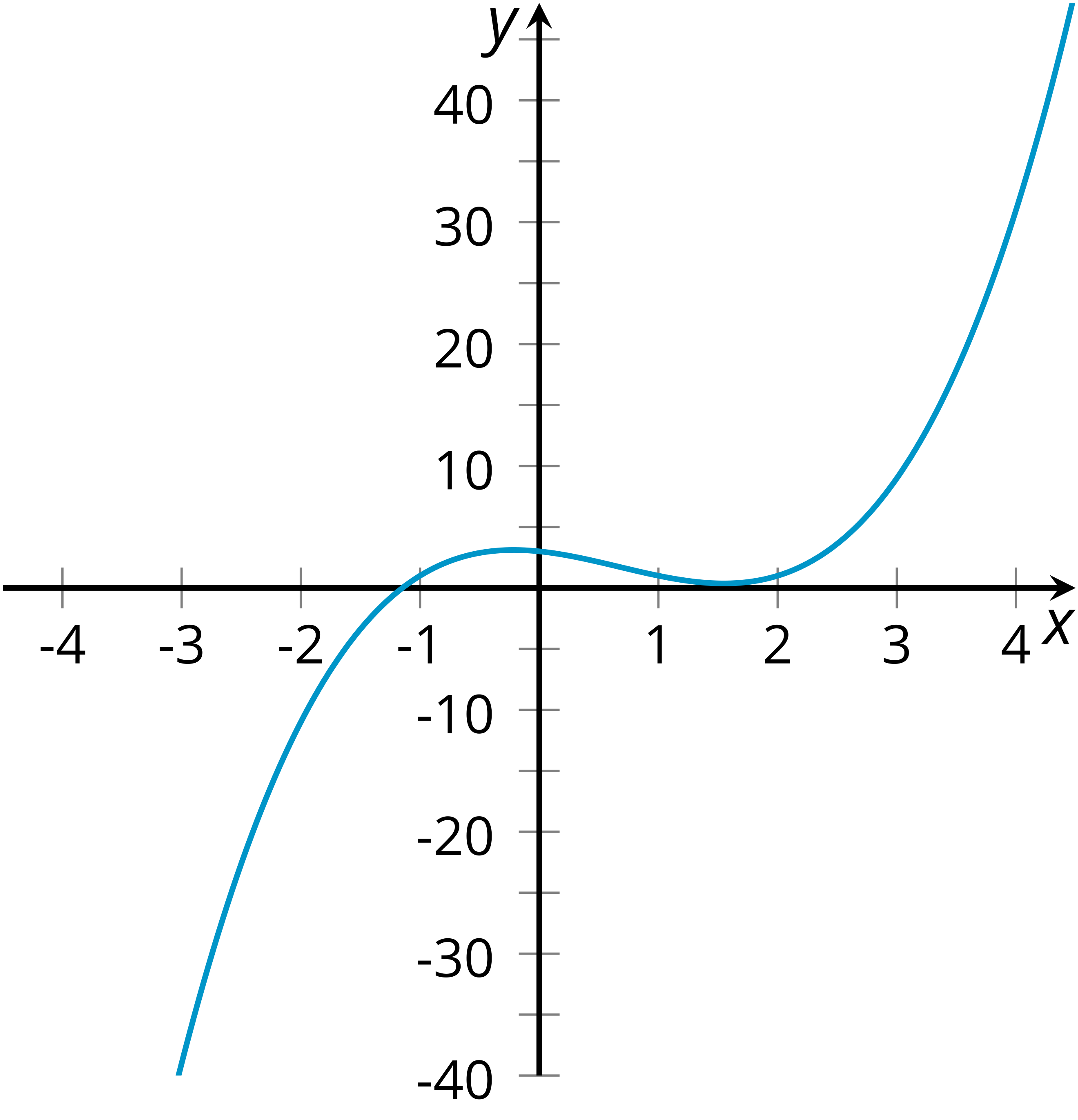
Curated Practice Problem Set

## Unit 5 Lesson 8 Cumulative Practice Problems

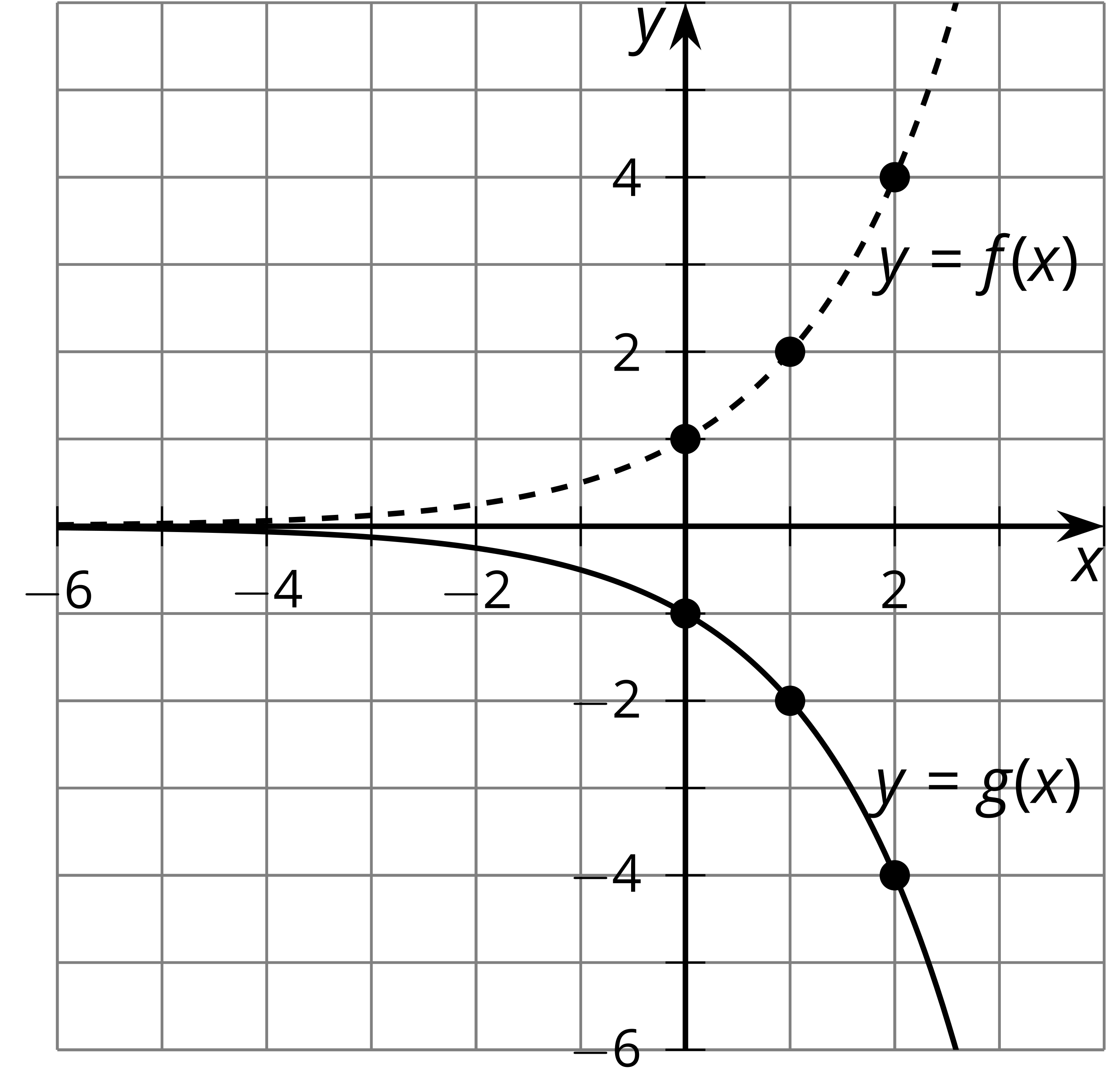
1. In each pair of graphs shown here, the values of function are the values of function multiplied by a scale factor. Express in terms of using function notation.

* 
* 
* 
* 

1. Here is the graph of for a cubic function .

* 
  1. Will scaling the outputs of change the -intercepts of the graph? Explain how you know.
  2. Will scaling the outputs of change the -intercept of the graph? Explain how you know.

1. The function is given by , while the function is given by . Kiran says that the graph of is a vertical scaling of the graph of . Mai says that the graph of is a horizontal shift of the graph of . Do you agree with either of them? Explain your reasoning.
2. The dashed function is the graph of and the solid function is the graph of . Express in terms of .

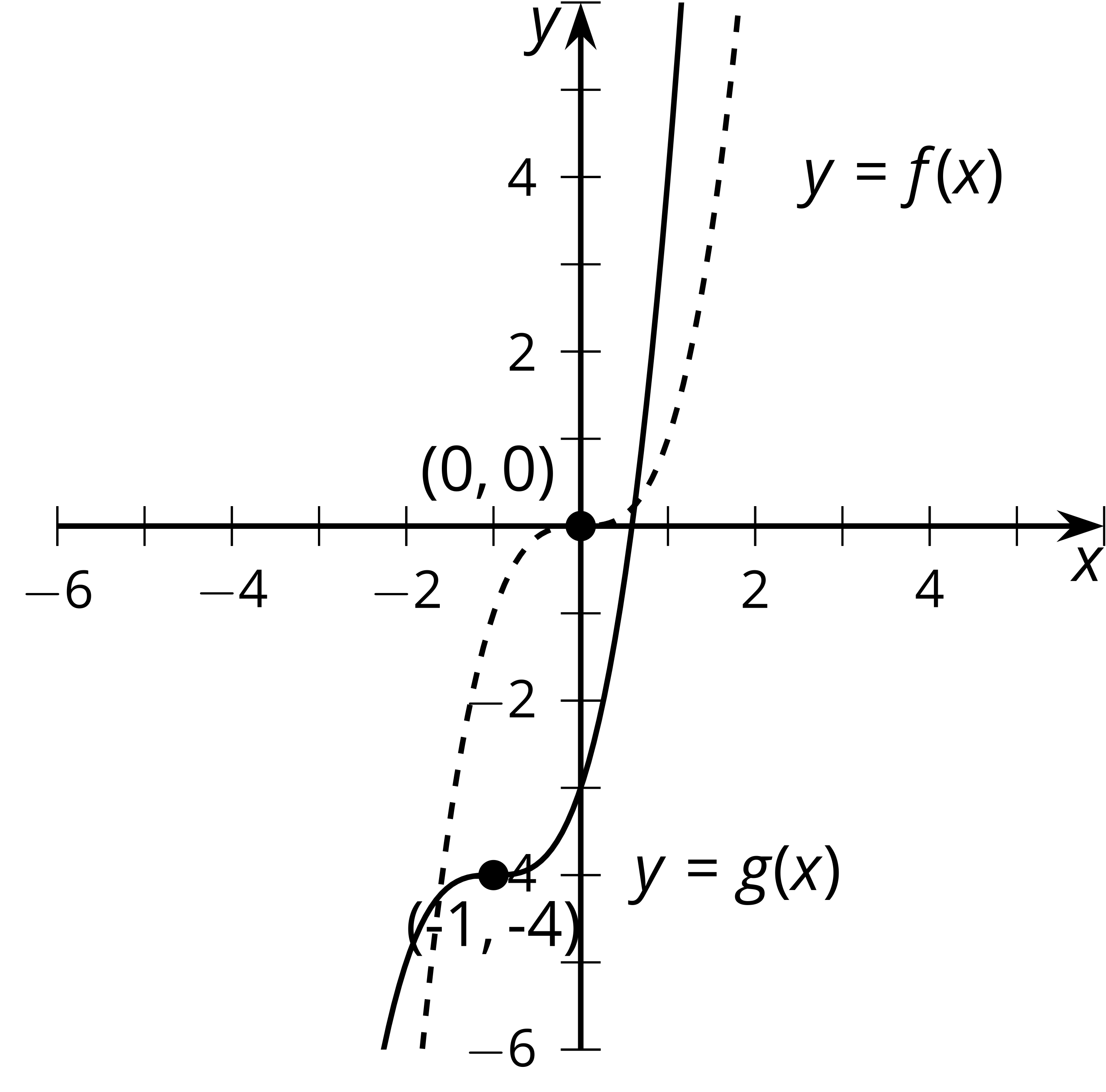
* 
* (From Unit 5, Lesson 4.)

1. The table shows some values for an odd function .

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | * -4 | * -3 | * -2 | * -1 | * 0 | * 1 | * 2 | * 3 | * 4 |
|  | * -3 |  | * 5 |  | * -10 | * 19 |  | * -11 |  |

* Complete the table.
* (From Unit 5, Lesson 5.)

1. Here is a graph of and a graph of , which is a transformation of . Write an equation for the function .

* 
* (From Unit 5, Lesson 7.)



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