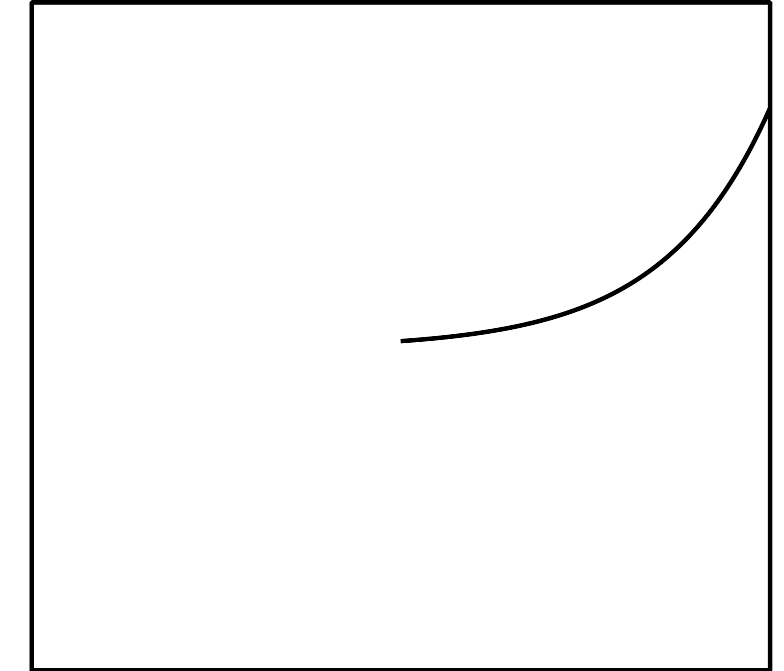
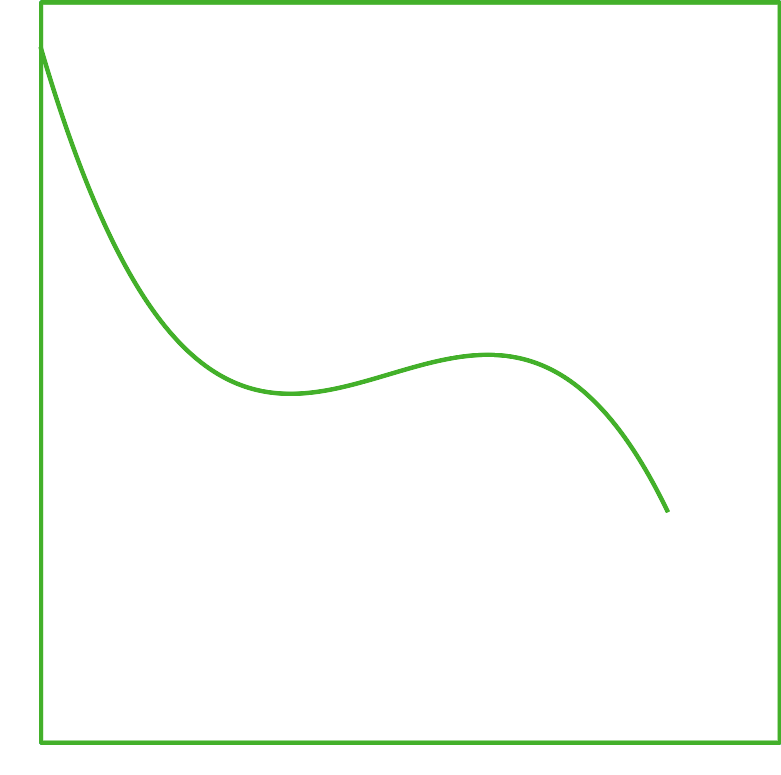
### Lesson 6 Practice Problems

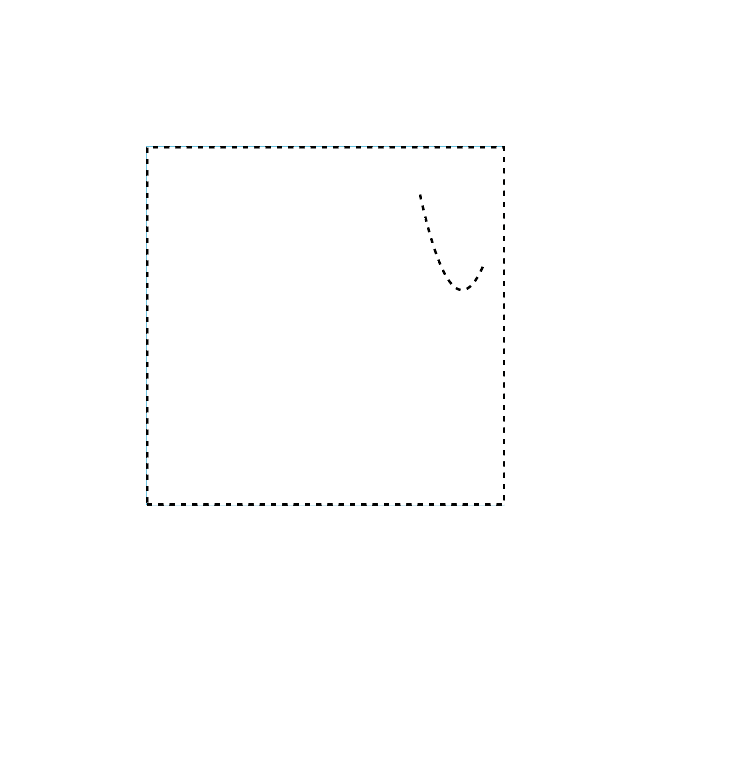
1. Classify each function as odd, even, or neither.
2. Here is a graph of a function for .

* 
  1. The function is even and takes the same values as for . Sketch a graph of .
  2. The function is odd and takes the same values as for . Sketch a graph of .

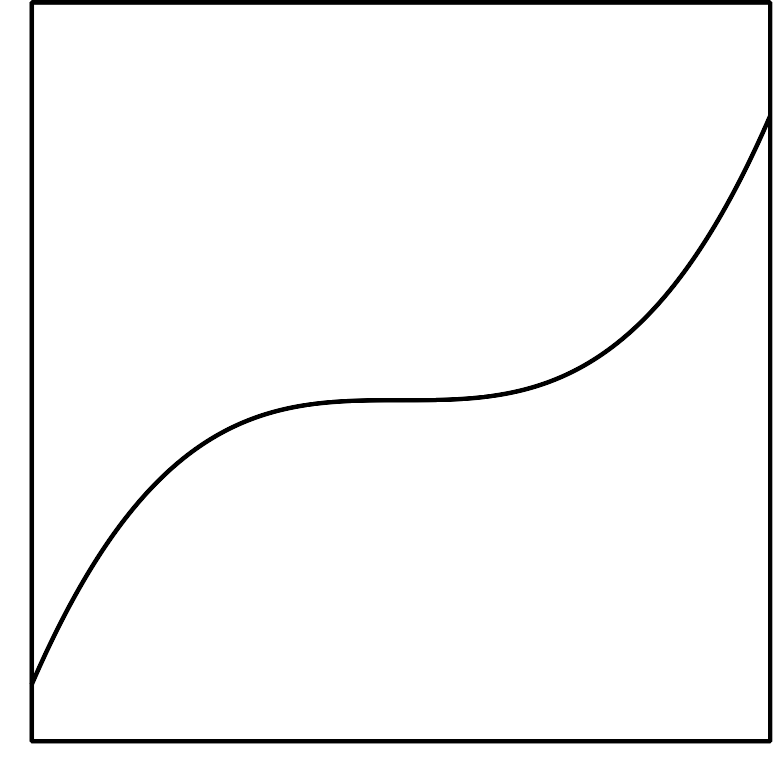
1. The linear function is given by . If is even, what can you conclude about and ?
2. Here are the graphs of and for a function .

* 
* Which graph corresponds to each equation? Explain how you know.
* (From Unit 5, Lesson 2.)

1. Write an expression for two of the graphs in terms of .

* 
* (From Unit 5, Lesson 3.)

1. Here is a graph of the function given by .

* 
  1. What happens if you reflect the graph across the -axis and then across the -axis?
  2. Is even, odd, or neither?
* (From Unit 5, Lesson 5.)



© CC BY 2019 by Illustrative Mathematics®