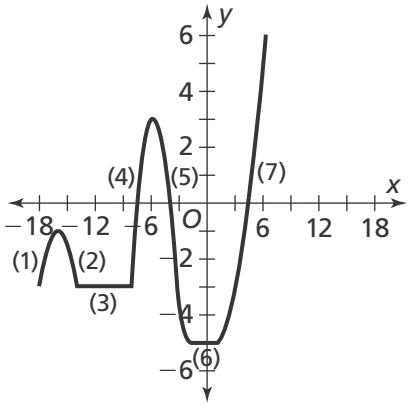
Name: _____

3-5 Additional Practice

Scan for Multimedia

1. Leveled Practice Use the graph to complete the statements.

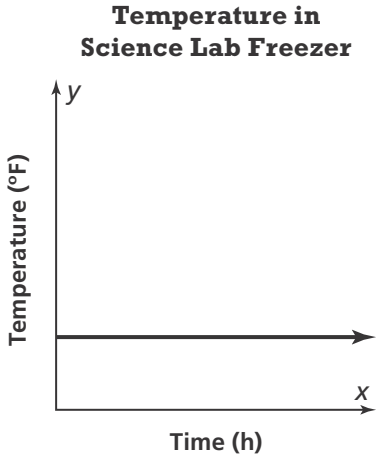


The function is _____ in intervals 2 and 5.

The function is _____ in intervals 1, 4, and 7.

The function is _____ in intervals 3 and 6.

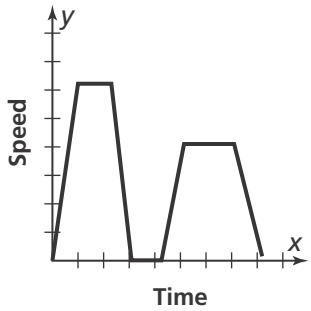
2. The graph below shows the temperature inside a freezer in a science lab. Is the function increasing, decreasing, or constant? Explain.



3. Make Sense and Persevere Demi went for a run in the park. The graph shows her speed during the run. MP.1

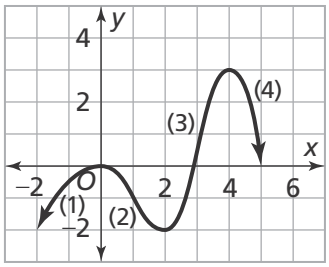
a. Describe the graph when the function is decreasing.

b. In how many intervals is the function decreasing?

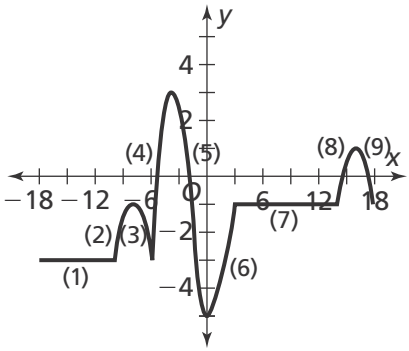


In 4–5, determine the intervals in which the function is increasing, decreasing, or constant.

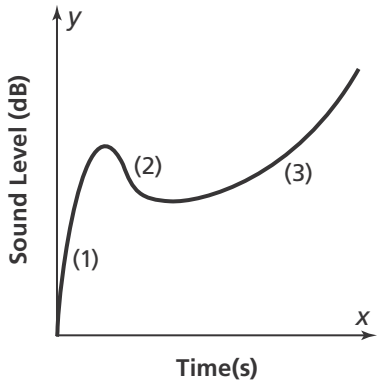
4.



5.



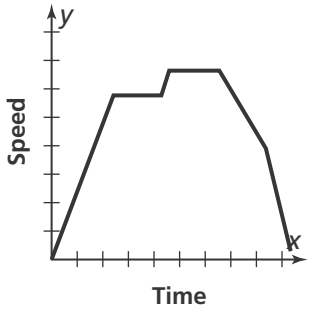
6. You have a device that monitors the sound level of a conversation located 1 meter away. The results are shown in the graph.



a. Describe the relationship of the sound level as a function of time.

b. Reasoning Compare the sound level during Intervals 1 and 3. MP.2

7. Higher Order Thinking The graph shows the speed of an airplane during a trip from City X to City Z.



a. Compare the intervals where the function is increasing.

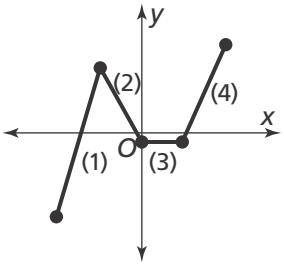
b. Compare the intervals where the function is decreasing.

Assessment Practice

8. Which graph matches this description?

The function is constant in interval 1; increasing in interval 2; decreasing in interval 3, and increasing in interval 4.

Ⓐ



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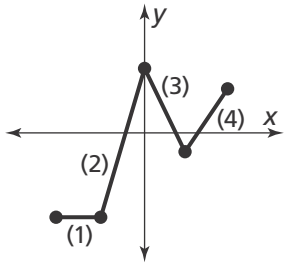

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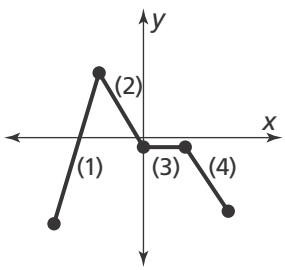

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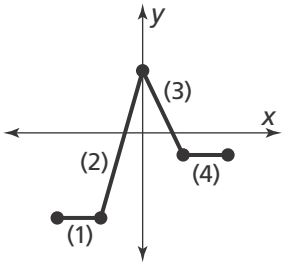

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