Name _____ Date _____ Class _____

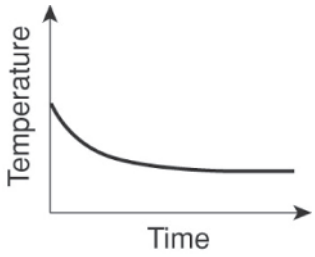
LESSON 6-4

Analyzing Graphs

Practice and Problem Solving: D

Use the situation for 1–2. The first one is done for you.

Dan had a glass of water. He added some ice. The graph shows the temperature over time.

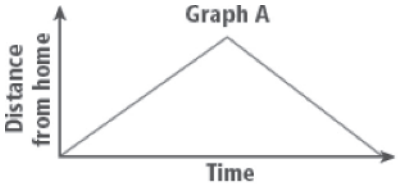


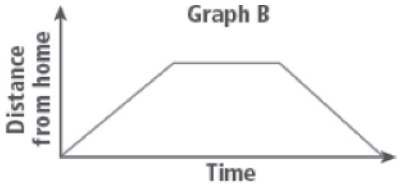
1. The graph goes down at the beginning. What does that mean?

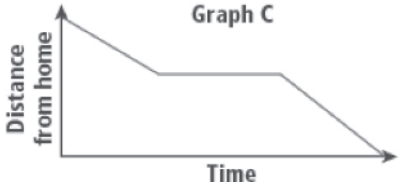
   The water temperature went down after the ice was put in.

2. What does it mean when the graph flattens out?

Tell which graph corresponds to each situation below. The first one is done for you.







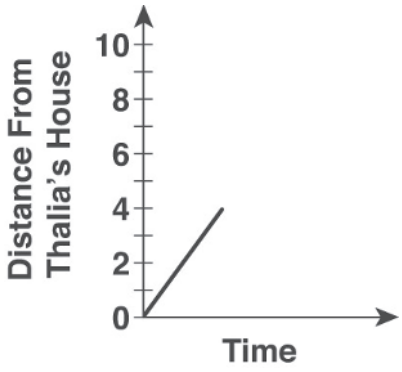
3. Alexia starts from home and jogs to the store. She shops for a while and then jogs home.

   Graph B

4. Alexia jogs to the store from school. She shops for a while and then jogs home.

5. Which graph did you not choose for Exercise 3 or Exercise 4? Write a description that describes what happened in that graph.

Use the graph at the right for 6–7.



6. Talia hiked 4 miles from her house, and stopped to eat lunch. Then she hiked back to where she started. Complete the graph. Show the distance from Talia's house compared to the time that she took.

7. Use your graph to find the total number of miles Talia hiked.