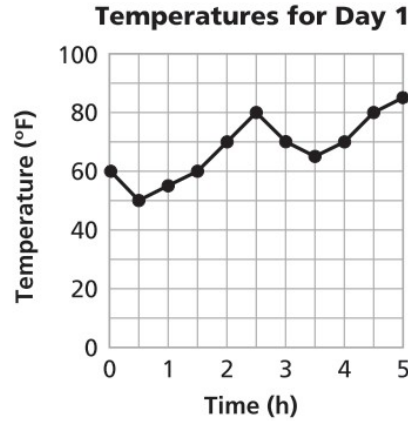


# Labsheet 1ACE

## Exercise 9

9. Here is a graph of temperature data collected on the Ocean Bike Tours test trip from Atlantic City to Lewes.



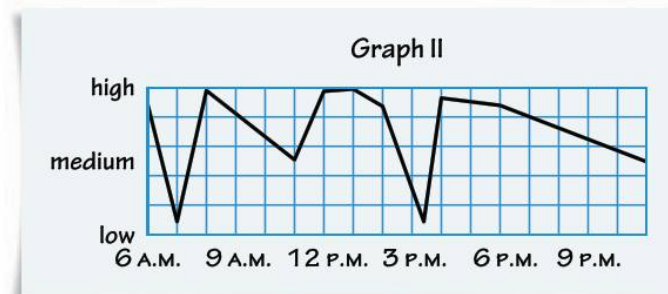
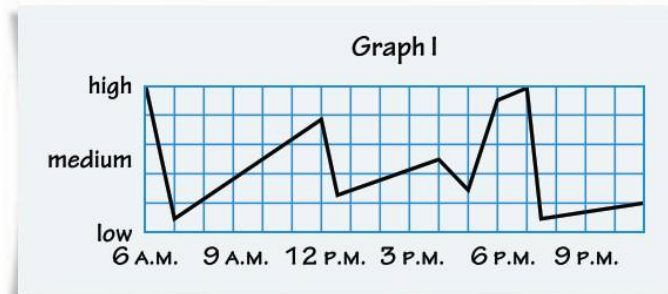
- a. Complete the table of *(time, temperature)* data from this graph.

**Temperatures for Day 1**

| Time (h)         | 0 | 1 | 2 | 3 | 4 | 5 |
|------------------|---|---|---|---|---|---|
| Temperature (°F) |   |   |   |   |   |   |

- b. What is the difference between the day's lowest and highest temperatures?
- c. During which time interval(s) did the temperature rise the fastest?
- During which time interval did it fall the fastest?
- d. Do you prefer using the table or the graph to answer questions like those in parts (b) and (c)? Explain your reasoning.
- e. What information can you get from the lines connecting the points?

11. Amanda made the graphs below to show how her level of hunger and her happiness changed over the course of a day. She forgot to label the graphs.



Use the following descriptions to determine which graph shows Amanda's hunger pattern and which graph shows Amanda's happiness. Explain.

*AMANDA My Everyday Life*  Search

[Home](#) | 
 [Past Projects](#) | 
 [Future Projects](#) | 
 [Contact](#) | 
 [About Me](#)

**My Hunger**

Hmmm. ...I woke up really hungry and ate a large breakfast. I was hungry again by lunch, which began at 11:45. After school, I had a snack before basketball practice, but I had a big appetite by the time I got home for dinner. I was full after dinner and didn't eat much before I went to bed.

**My Happiness**

Well, I woke up in a good mood, but got mad at my older brother for hogging the bathroom. I talked to the guy I like on the morning bus. My classes were good, but I got bored by lunch. At lunch, I had fun with my friends. I loved my computer class right after lunch, but the rest of my afternoon classes were boring. After school, I had an awesome basketball practice. After dinner, I still had to do my homework and chores.