

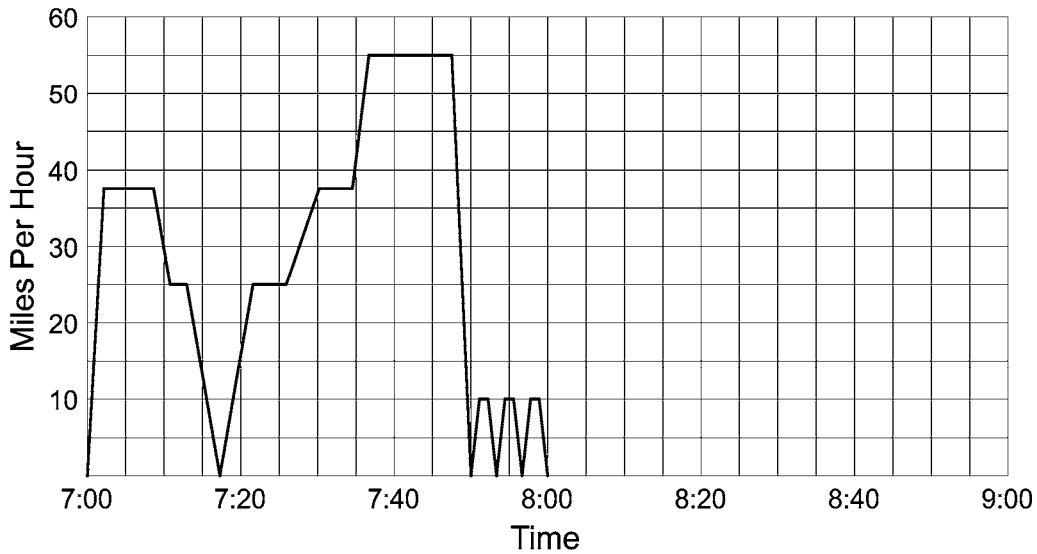
Graphing Functions of Time

NAME _____

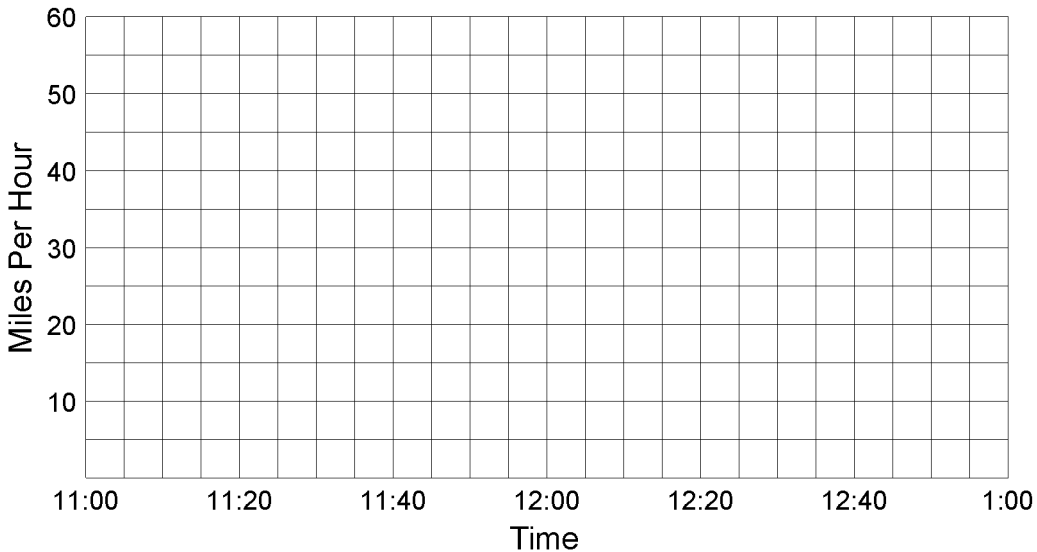
Use the information and graph below to answer the following questions.

Mrs. Sung-Ki left her house at 7:00 A.M. to drive to a business meeting in Birmingham. She drove through a small town that had one red light, and then she took some smaller roads before getting on the interstate highway. When she got off the highway in Birmingham, she drove three blocks to the location of her meeting. She arrived at 8:00 A.M. The graph below shows the speeds at which her car was traveling during the entire trip.

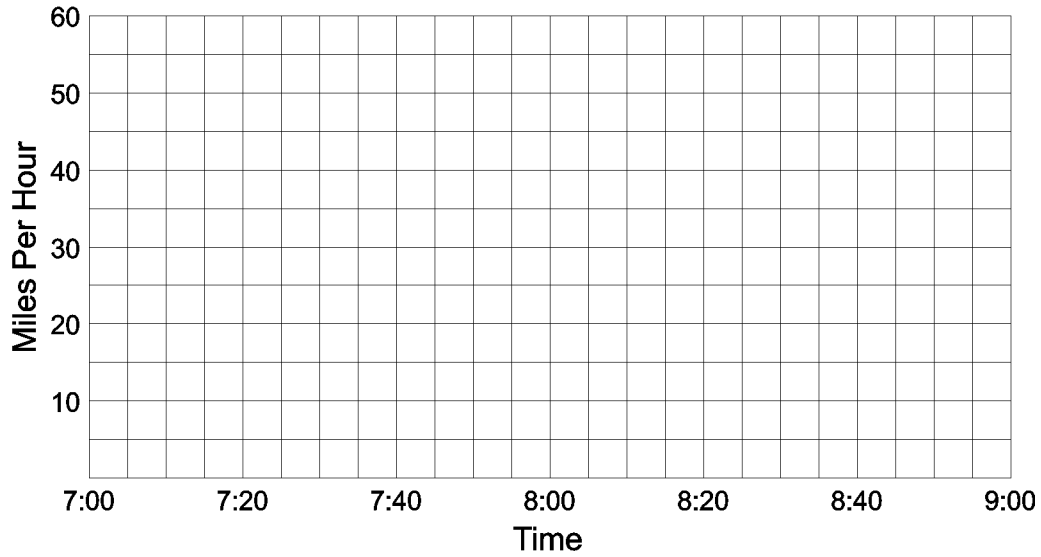
Examine the graph, and notice how it corresponds to the story.



- Grandpa Joe and Uncle Julio are making the same trip. They are going into town for a leisurely shopping trip around mid-day, and they travel a little slower than Mrs. Sung-Ki. Graph a possible representation of their trip on the grid below.



2. Hot-Rod Millie, who lives near Mrs. Sung-Ki, will leave at 7:00 P.M. to attend a rock concert in Birmingham. How might her trip look? Use the same grid that you used in problems 1 and 2.



3. When Mrs. Sung-Ki's meeting ends at 3:00 P.M., she will drive home. How do you think her return trip could be represented? Graph it on the grid below. Be sure to indicate the time and speed on the axes.

