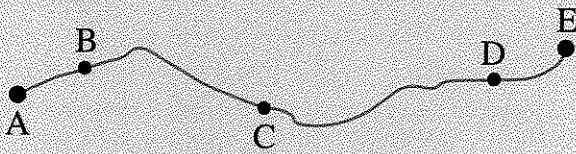
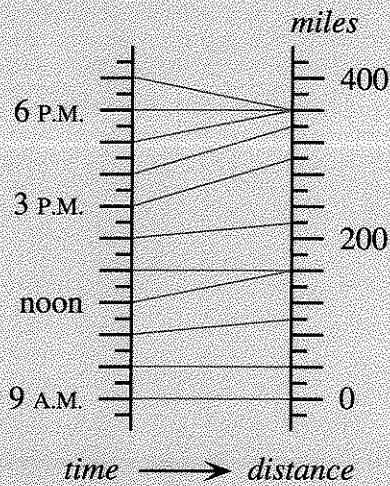


## 2.B The Car Trip



A family is traveling by car from City A, in Cool County, towards City E. On this diagram, the  $x$ -number line represents the time of day, with 9 A.M. near the bottom, and 7 P.M. near the top; the  $y$ -number line represents distance from City A in miles.



**Car Trip**

1. **Report** Describe the trip as best you can from the information on the function diagram. In your paragraph, make clear what you get from the diagram and where you are making guesses to interpret the information. Your paragraph should include answers to the following questions, but should not be limited to them.

- What time did the trip start?
- What happened from 12 to 1? Where did it happen?
- When did the family drive faster than the speed limit? How fast were they going then?
- How could you explain the changes in speed that are evident from the diagram?
- What time did they arrive at their destination?
- How far is City E from City A?

2. **Project**
  - a. Using real towns and distances (perhaps taken from a road map), draw a map and a function diagram for another car trip.
  - b. Get the map and function diagram that one of your classmates made in part (a). Write a paragraph describing the trip shown. Discuss your description with the person who made the map and diagram. Do you agree on what the figures convey? If you disagree, is one of you misinterpreting the figures? Or are both interpretations correct?