1. The line graph below tracks the rain accumulation, measured every half hour, during a rainstorm that began at 2:00 p.m. and ended at 7:00 p.m. Use the information in the graph to answer the questions that follow.

![Rainfall Accumulation - March 4, 2013 graph]

a. How many inches of rain fell during this five-hour period?

b. During which half-hour period did \( \frac{1}{2} \) inch of rain fall? Explain how you know.

c. During which half-hour period did rain fall most rapidly? Explain how you know.

d. Why do you think the line is horizontal between 3:30 p.m. and 4:30 p.m.?

e. For every inch of rain that fell here, a nearby community in the mountains received a foot and a half of snow. How many inches of snow fell in the mountain community between 5:00 p.m. and 7:00 p.m.?
2. Mr. Boyd checks the gauge on his home’s fuel tank on the first day of every month. The line graph to the right was created using the data he collected.

a. According to the graph, during which month(s) does the amount of fuel decrease most rapidly?

b. The Boyds took a month-long vacation. During which month did this most likely occur? Explain how you know using the data in the graph.

c. Mr. Boyd’s fuel company filled his tank once this year. During which month did this most likely occur? Explain how you know.

d. The Boyd family’s fuel tank holds 284 gallons of fuel when full. How many gallons of fuel did the Boyds use in February?

e. Mr. Boyd pays $3.54 per gallon of fuel. What is the cost of the fuel used in February and March?