The numbers of indoor water parks at hotels in the United States for the years 2000, 2001, 2002, 2003, 2004, and 2005 are 6, 11, 20, 21, and 25, respectively. Let n be the number of such water parks in a given year.

a) Graph the data. Find the average of the data values and indicate it on the graph.

b) Did the number of water parks per year increase, decrease, stay approximately constant, or none of these from 2000 to 2005, inclusive? Explain. (Hint: What numbers are you looking at in determining the answer to this question?)

c) Did the increases in the number of water parks per year increase, decrease, stay approximately constant, or none of these from 2000 to 2005, inclusive? Explain. (Hint: What numbers are you looking at in determining the answer to this question? You may need to look at numbers that are not given.)