Jose’s Surfboard

Jose rents a surfboard for the day from a company that charges by the hour. The graph below shows the cost of renting a surfboard for different amounts of time.

1. What is the rental rate per hour for the surfboard? Explain your reasoning.

2. If the cost continues at this rate, calculate the cost of renting a surfboard for 12 hours. Show all work and explain your reasoning.

3. Calculate the number of hours Jose surfs if the rental cost is $150.00. Show all work and explain your reasoning.

4. Is the domain of the function the same as the domain of the problem situation? Explain your reasoning.