Piecewise application extra practice:

1. A parking garage charges $10 per hour (or part of an hour), with a daily maximum of $50 per day.
2. How much will a customer pay if he/she parks for 30 minutes? 2 hours? 3.5 hours?
3. Write a piecewise function where x = # hours and C = the cost of parking for x hours.
4. A candy company can produce up to 100 candy bars at a cost of $1.50 per bar. If they make more than 100 bars, the cost goes down to $1.10 per bar for each additional bar. Write the piecewise function giving the cost of producing x candy bars.
5. Infosystem is a company that charges customers for their service by the minute. The charge is $5 plus $0.25 for each minute (or part of a minute). Express the charge as a function of time for up to 5 minutes.
6. A theme park charges $40 per person for a group up to 10 people and $30 per person for each additional group member. Write the piecewise function to represent the cost for a group of people to go to the theme park. How much would it cost a group of 8 people? 15 people?

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