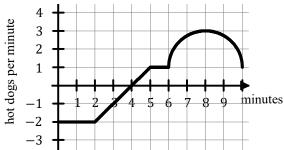
6.1 Accumulation of Change



Name:

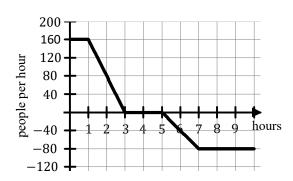
1. The graph below shows the rate at which hot dogs are on Mr. Kelly's plate. Assume there are 10 hot dogs on the plate at t=0 minutes.



a. How many hot dogs are on Mr. Kelly's plate after six minutes?

b. How many hot dogs are on Mr. Kelly's plate after 10 minutes?

2. The graph below shows the rate of change of the number of people in a movie theater. Assume no one was in the theater at t = 0 hours.



a. How many people are in the theater after 3 hours?

b. How many people are in the theater after 10 hours?

Each function listed represents a rate of change. What are the units for the area under the curve?

3. g(t) is measured in ounces per second and t is measured in seconds.

4. T(d) is measured in °C per day and d is measured in days.