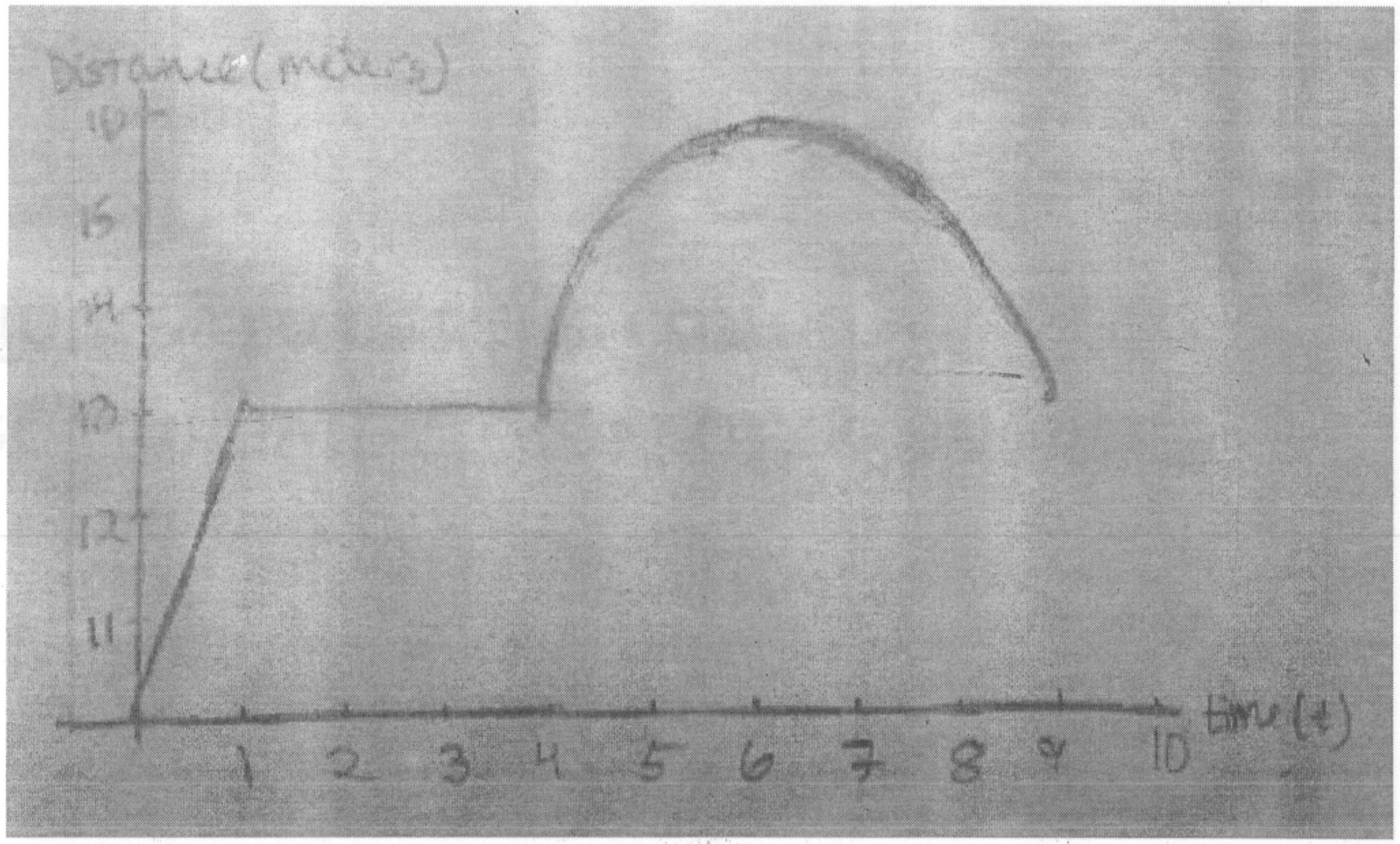
#1-Level *

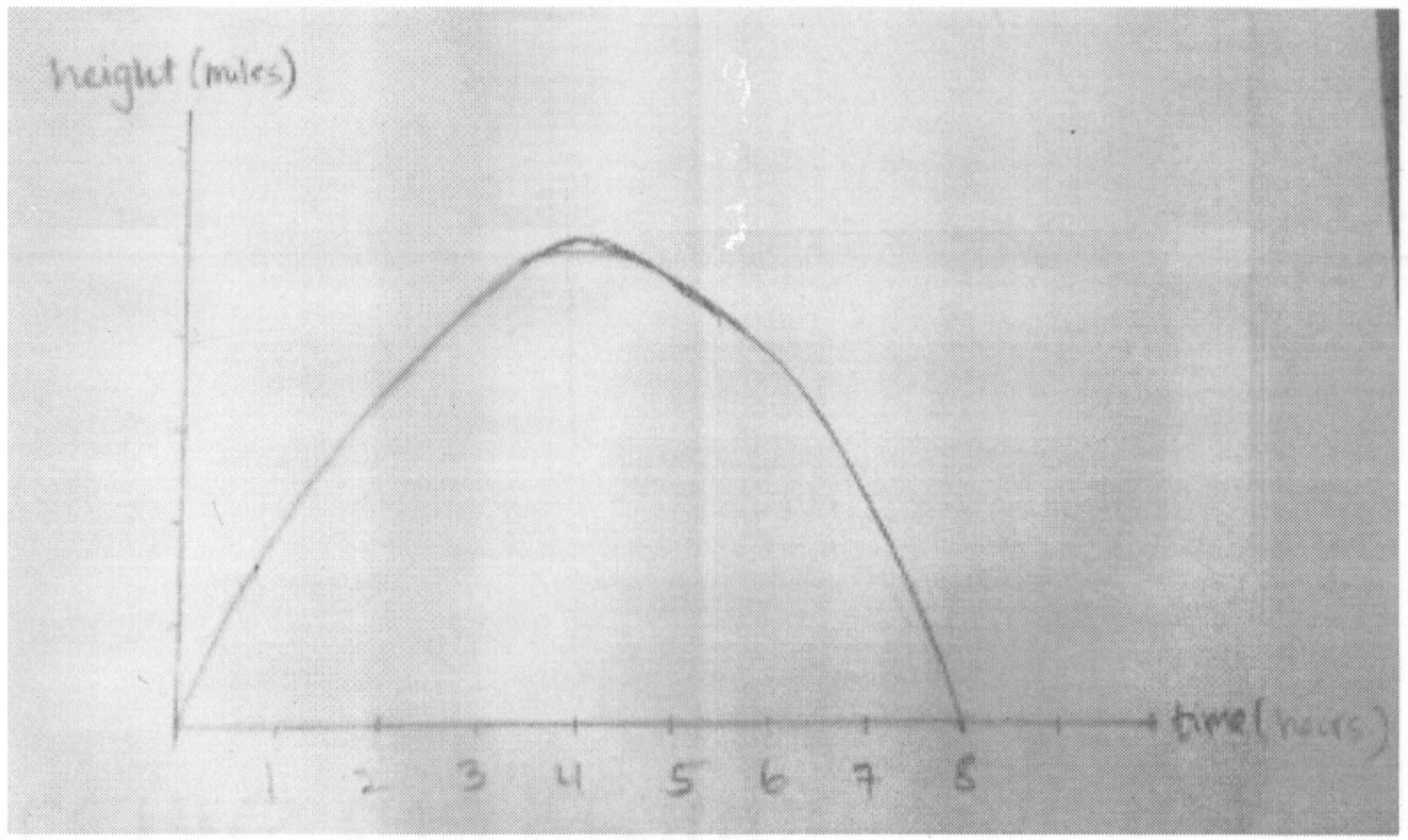
Kaylie is walking to school. When does Kaylie stop to get coffee? How long does it take her to get coffee?



She stops after 1 minute to get coffee and it takes her 3 minutes to get the coffee

#2-Level *

Which situation best describes the graph shown?



A. The maximum height the object reaches is 4 miles, and the object falls back to the ground after 8 hours.

B. The maximum height of the object occurs once the object has been in the air for 3 minutes.

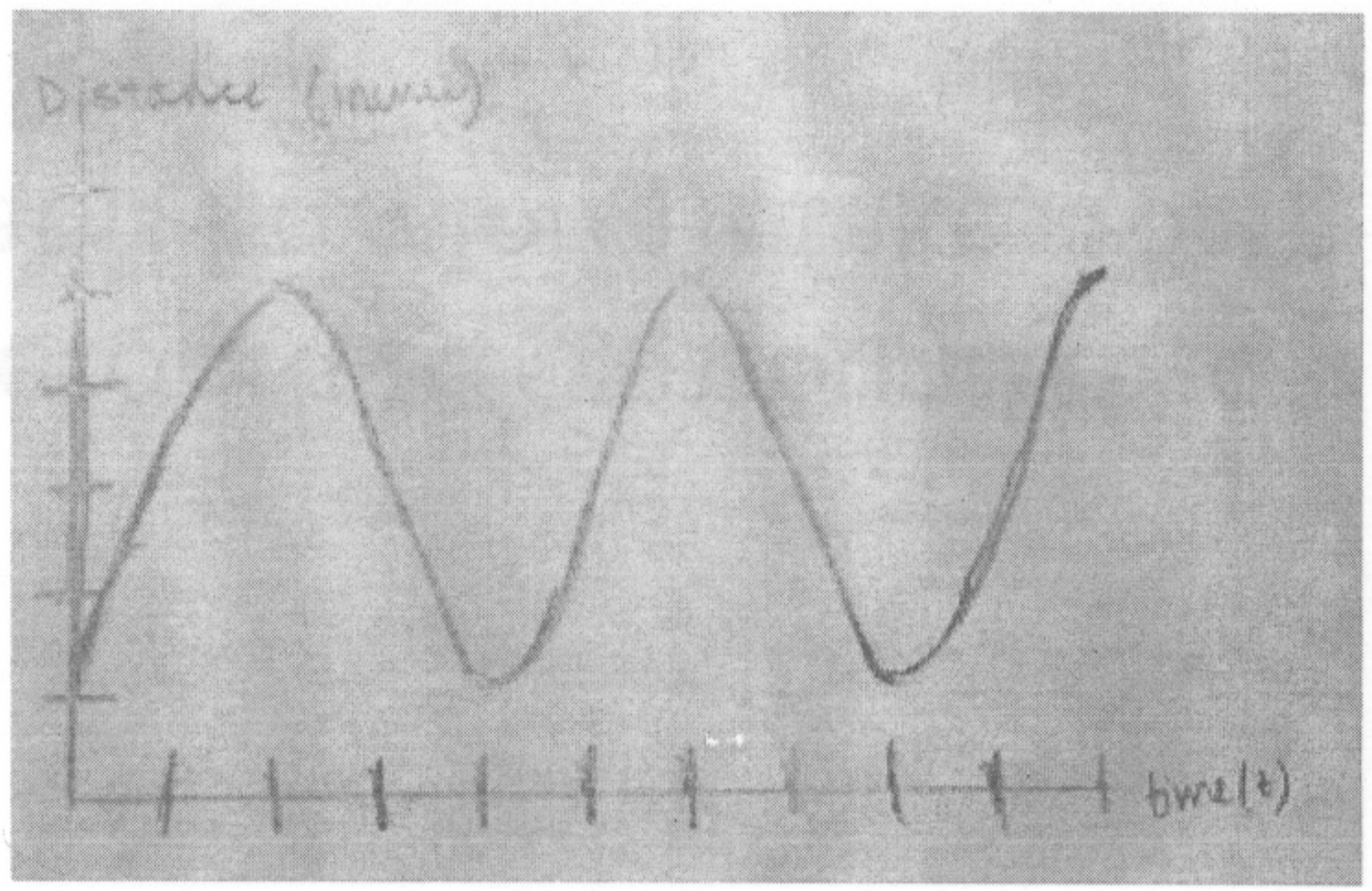
C. The maximum height of the object is 5 miles and after 8 hours, the object hits the ground.

D. After 2 hours, the object is 3 miles above the ground. The maximum height of the object is 4 miles.

The maximum height of the object is 5 miles and after 8 hours, the object hits the ground.

#2-Level **

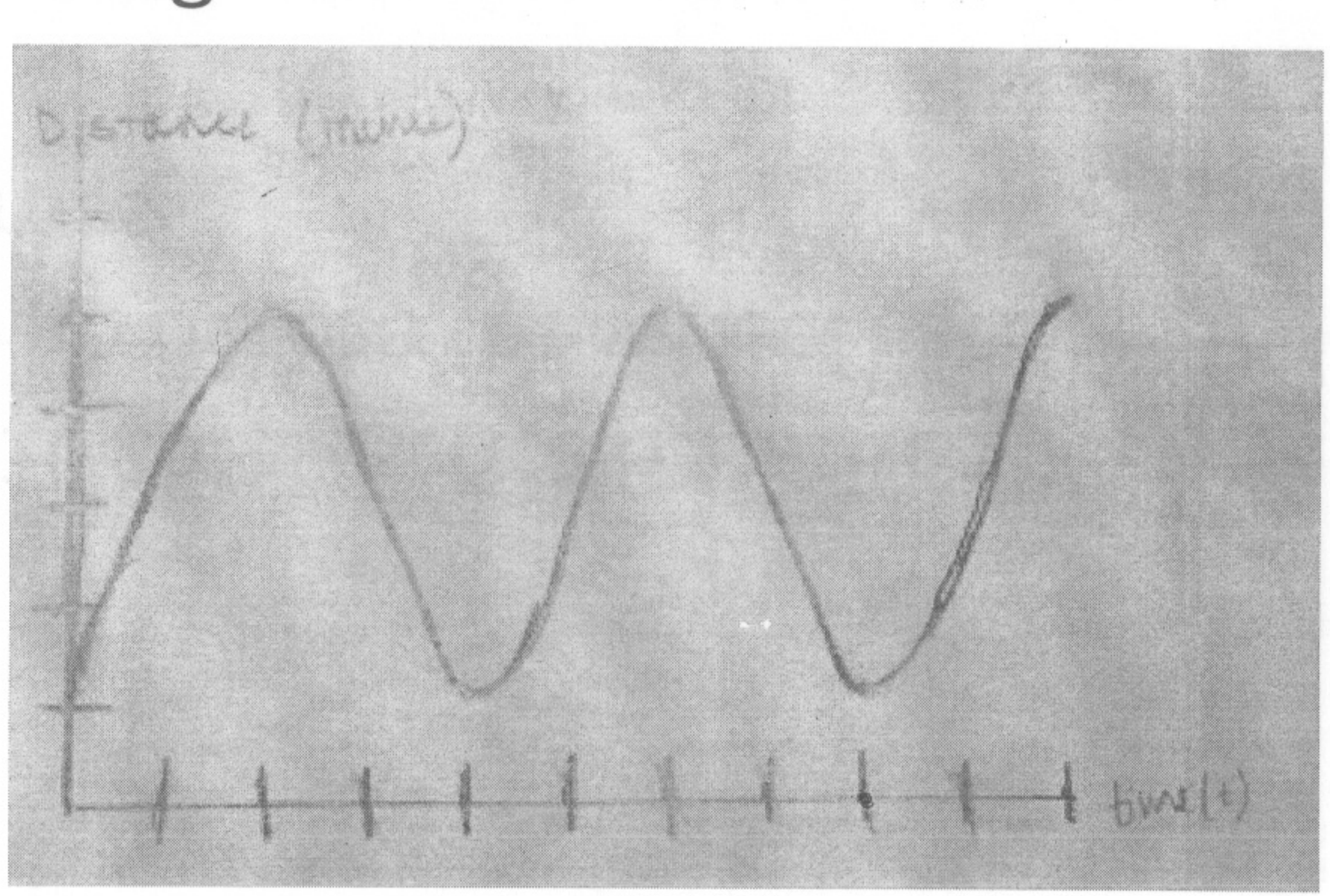
The graph below models a hamster walking around a hamster wheel. Each unit on the t-axis represents 1 second. How long does it take the hamster to go around the wheel once? EXPLAIN your reasoning.



It takes the hamster 4 seconds to go around the wheel once because that is how long it takes for the distance to be equal again

#3-Level **

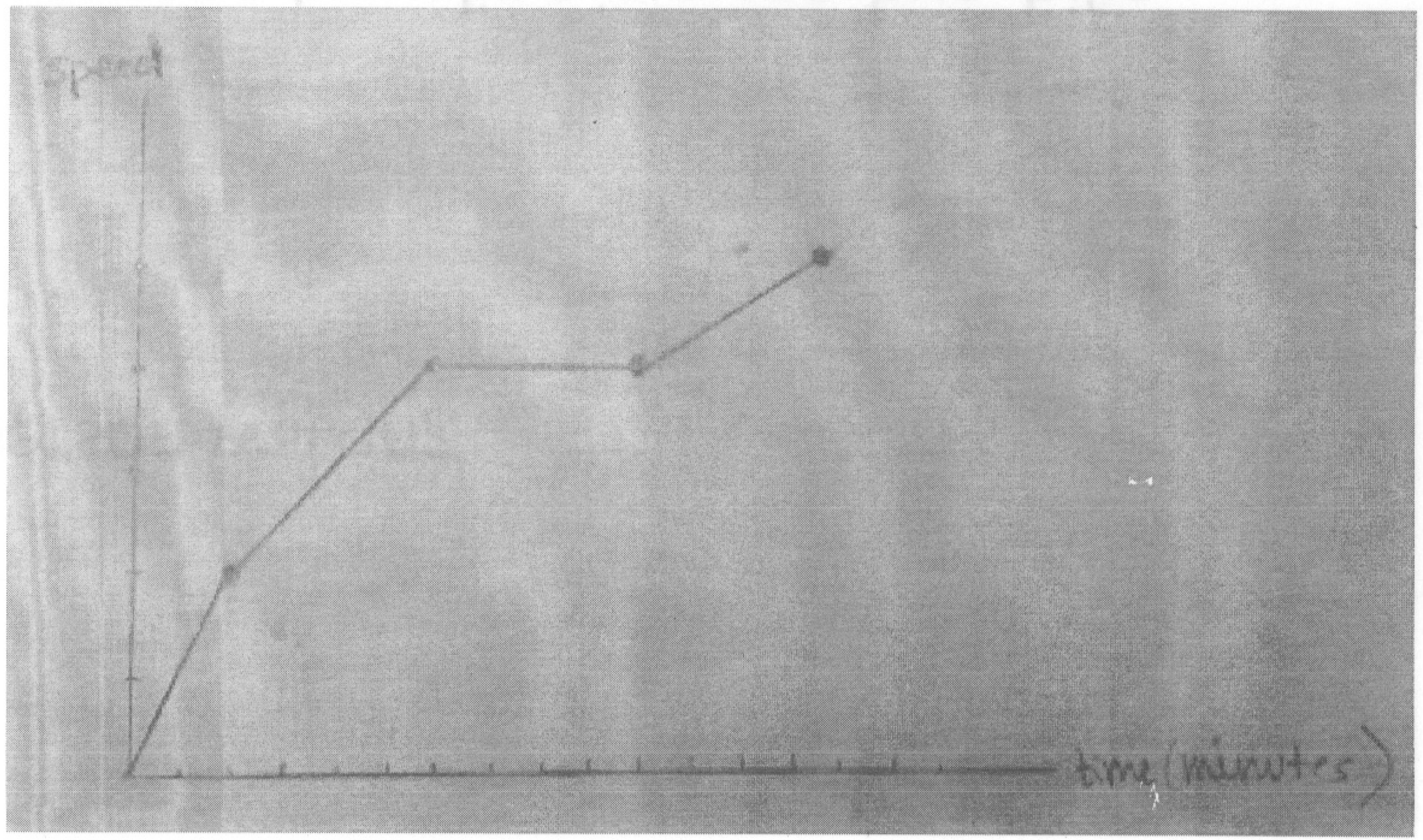
How many total inches does the hamster walk if it goes around the hamster wheel 2 times? EXPLAIN your reasoning.



The hamster walks 16 total inches because that is how far he has to go before the wheel can gone around two times

#4-Level **

Give a possible situation this function could represent. Explain your reasoning



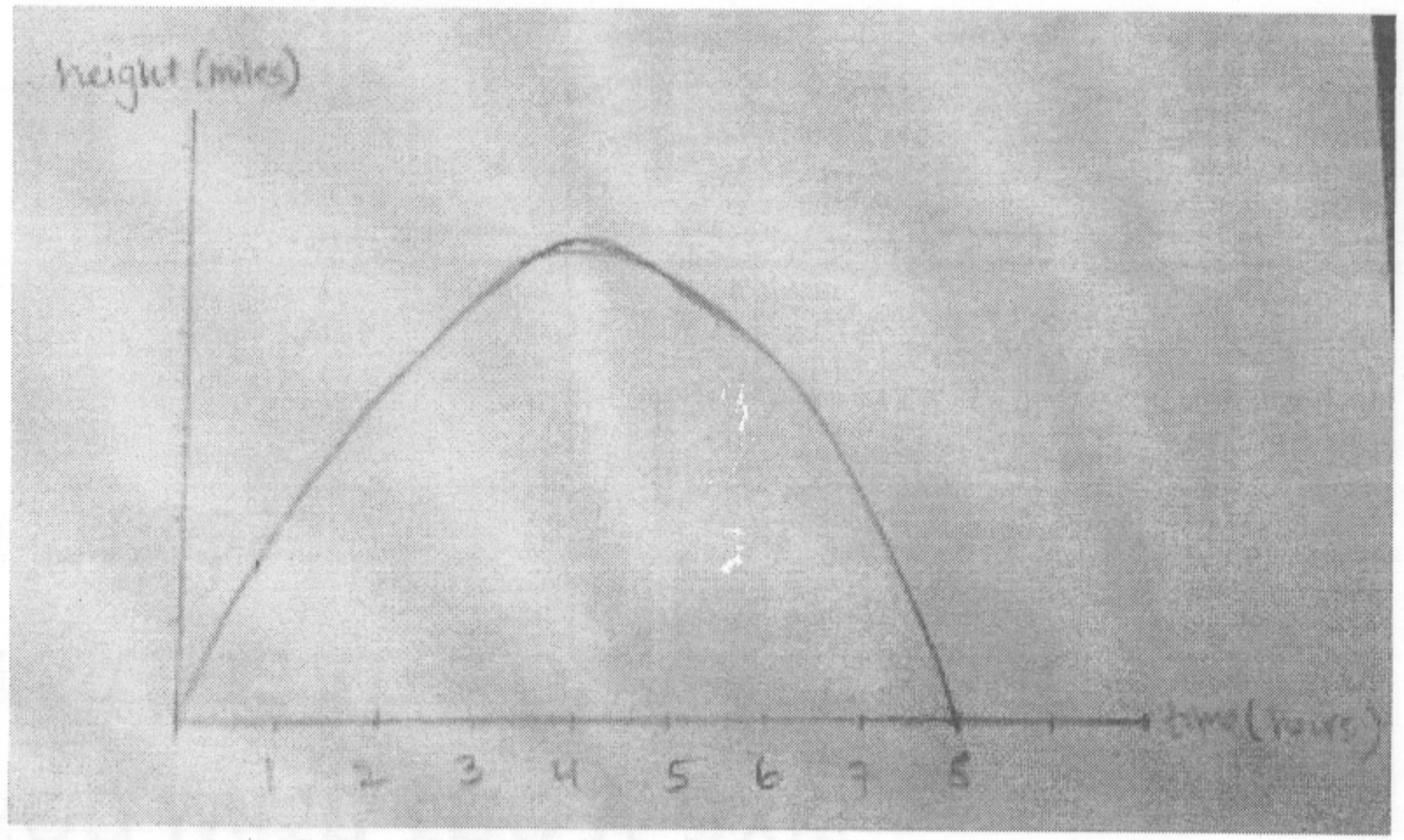
A person walking

OR

A someone traveling in a car, bus, bike,…

#5-Level **

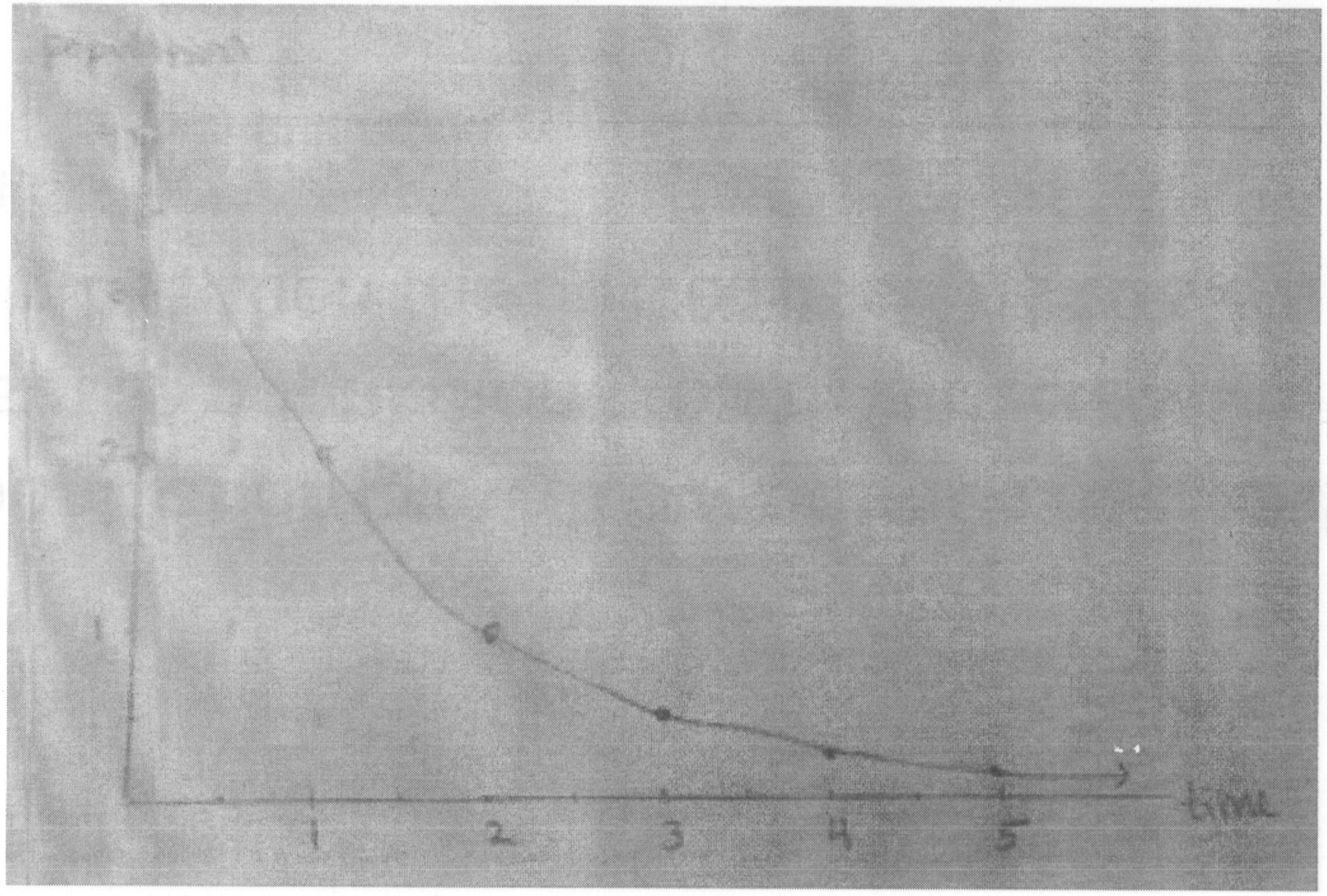
After seeing this model Amanda gave the following description, "The maximum height of the object reaches is 4 miles." Explain why you agree or disagree with Amanda.



I disagree with Amanda because she is getting the x-axis (time) confused with the y-axis (distance). It's a 4 hours that the object reaches a maximum height of 5 miles.

#6-Level **

Describe the population growth over time. What type of function is this?



The population growth over time is decreasing. At first the population growth is decreasing quickly but then the decrease starts to slow down.

Exponential function