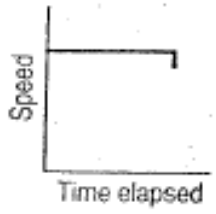
Graphing Stories Homework

Name_____

Choose the graph that best represents each situation. Then write at least one sentence justifying why you chose the graph.

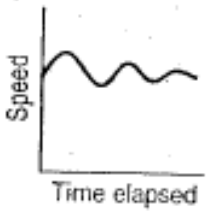
1. A train pulls into a station and lets off its passengers.

a)

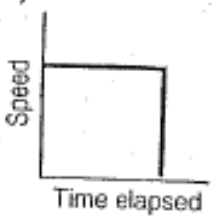


b)

c)

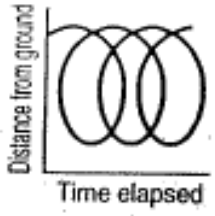


d)

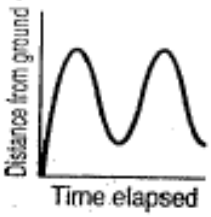


2. A man takes a ride on a ferris wheel.

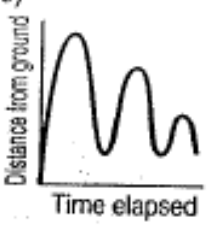
a)



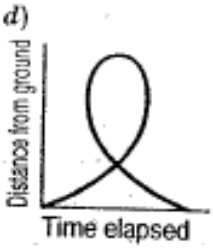
b)



c)



d)



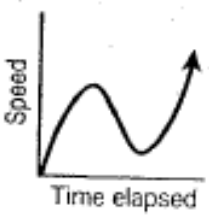
3. A woman climbs a hill at a steady pace and then starts to run down one side.

a)

b)

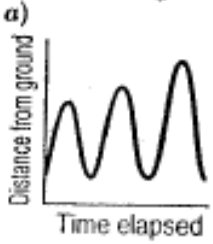
c)

d)

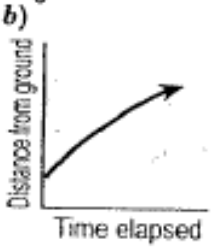


4. A child swings on a swing.

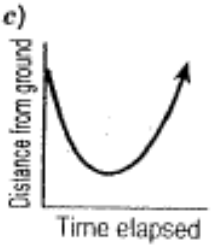
a)



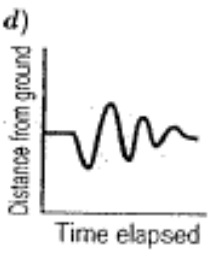
b)



c)



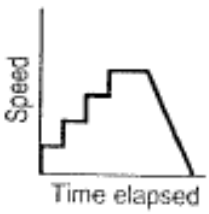
d)



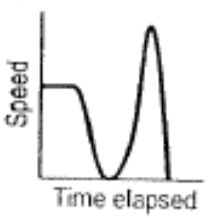
5. A child climbs up a slide and then slides down.

a)

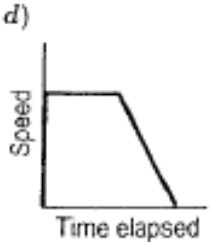
b)



c)



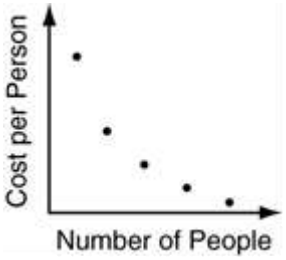
d)



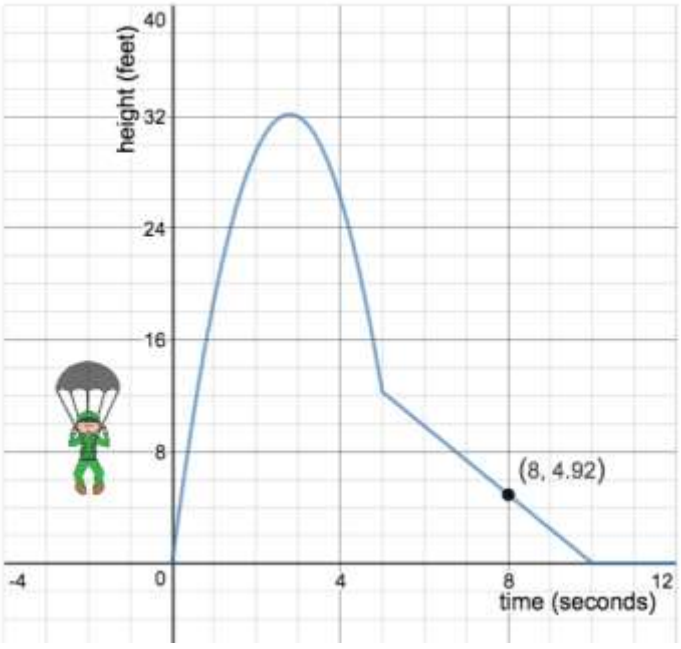
Write a possible situation for each graph.

6.

7.



8. Remember Cannon Man? He's Back!



a. "After 8 seconds, Cannon Man was 4.92 feet off the ground." Translate this into function notation.

b. If $f(a) = 32$, find the value of a.

c. What does this mean in terms of the situation?