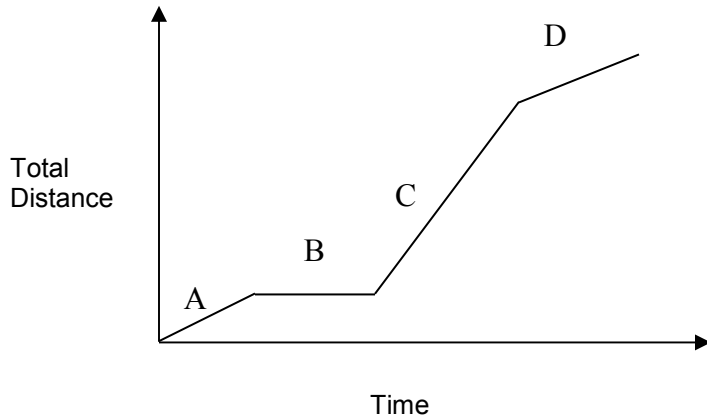


Real World Homework

Name _____

1. One student walks to a bus stop and takes a bus to get to school each day. The graph below shows the student's commute by relating the time the student spends commuting and the distance he travels.

Describe what the graph shows at each labeled section.



Circle one for each section.

Section A) Increasing Decreasing Constant

*Describe what happened in the scenario during section A

Section B) Increasing Decreasing Constant

*Describe what happened in the scenario during section B

Section C) Increasing Decreasing Constant

*Describe what happened in the scenario during section C

Section D) Increasing Decreasing Constant

*Describe what happened in the scenario during section D

2. For each of the following, state the independent and dependent variables.

a. If skin cancer is related to ultraviolet light, then people with high exposure to UV light will have a higher frequency of skin cancer.

Ind _____ Dep _____

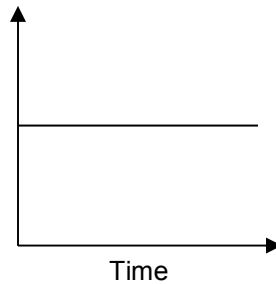
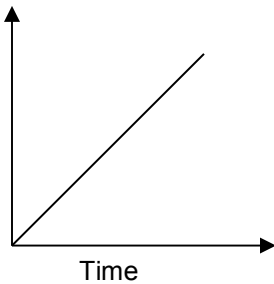
b. The temperature of a carton of milk and the length of time left out of the refrigerator.

Ind _____ Dep _____

c. The number of CDs you purchase as related to the price.

Ind _____ Dep _____

3. A car travels at a steady speed. Which graph could you use to show the speed of the car, and which could you use to show the distance it has traveled?



4. Draw a graph is the most appropriate to describe the height of a candle burning at a constant rate? Would you consider this graph discrete or continuous? _____

5. Draw a graph that shows the distance of a person's feet from the ground as they jump rope. Would you consider this graph discrete or continuous? _____