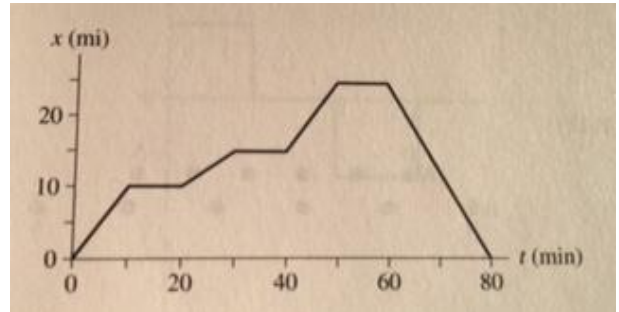


## PH201 Postlab 1: Uniform Motion

Name \_\_\_\_\_

Lab Section \_\_\_\_\_

1. Create a story that matches the provided graph. (hint: Use units on the graph to choose an appropriate example. Show details also in the graph)



2. In the lab, how would the slope on your graph change if your cart was traveling faster along the track? On the right show the two graphs in one coordinate system.
3. You are watching a gardener measure the width of her yard by using a distance wheel that clicks every time the gardener walks one meter. You calculate how fast she is going by timing the clicks from the wheel.
  - a. What are your dependent and independent variables in this situation?
  - b. If you hear a click every 1.5 seconds, how fast is she walking?
4. Draw a graph showing your motion today from the physics lab home. Include all details before you reach home.

