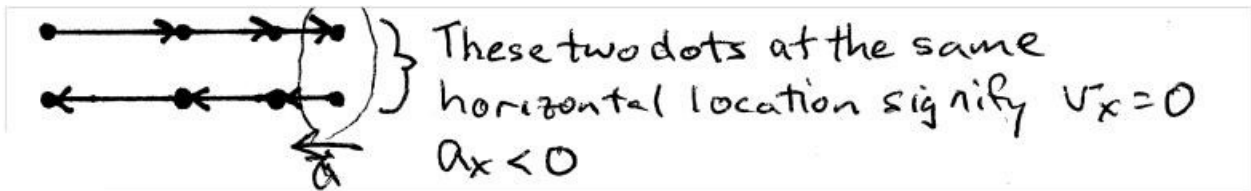


Recitation

Acceleration

- Put your name, lab day (Taft, Teve, Waft or Weve) and group number at the top of your work.
- Complete Workbook exercises 16 and 17 in section **2.4 Acceleration**
- Check with your instructor to verify your answers before moving on.
- Complete workbook exercises 18 and 20 (skip 19) in section **2.5 Motion with Constant Acceleration**

Hint: When drawing a motion diagram that includes the object slowing to a stop ($v_x = 0$) and then continuing in the opposite direction, draw the motion for one direction and then draw the motion for the return underneath. Say a person runs back towards their car to get close enough to lock it. They run back and when it locks they slow to a stop, turn around and accelerate away. The motion diagram would look like this:



- Use the PhET simulation *Moving Man* to recreate the graphs in exercise 20.
<http://phet.colorado.edu> Use the desktops and laptops so that no more than 2 people are investigating the simulation at one time. Use *Moving Man* to verify your acceleration graphs and your motion diagrams. Print your results.
- Each person should complete their workbook activities and print out *Moving Man* graphs from each computer used. Staple every group members' work in one group packet and turn in.