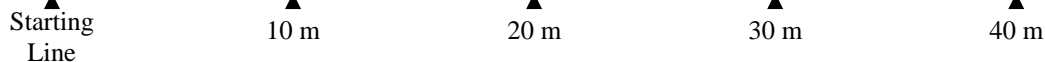
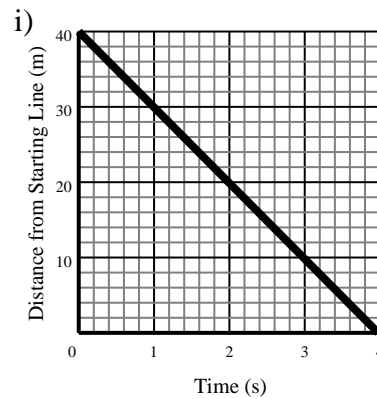
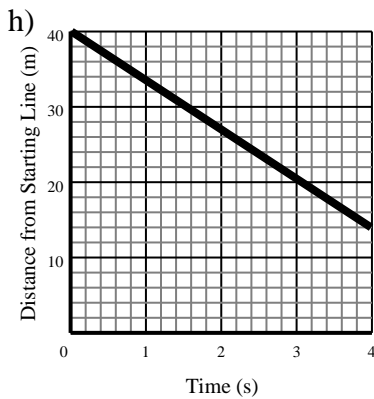
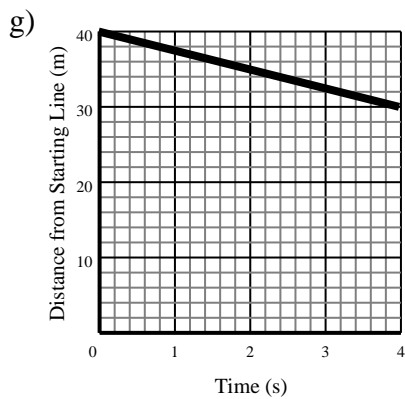
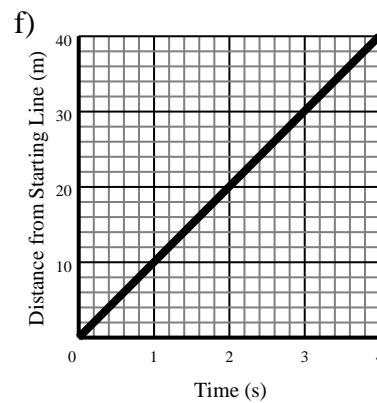
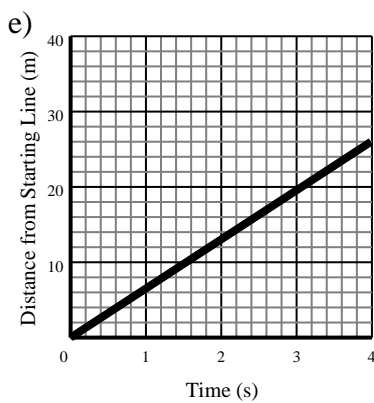
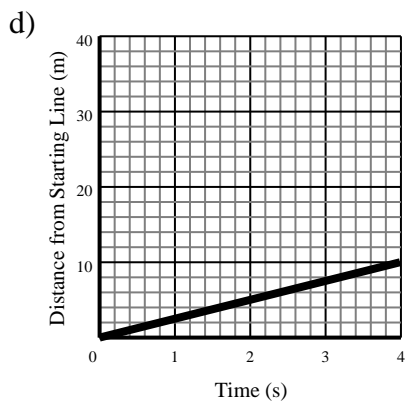
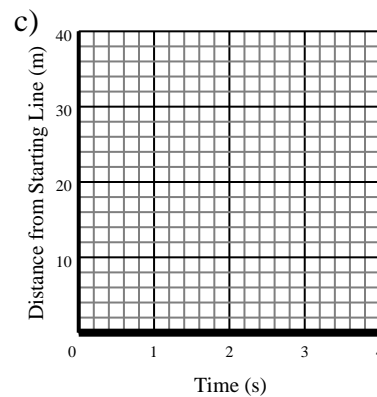
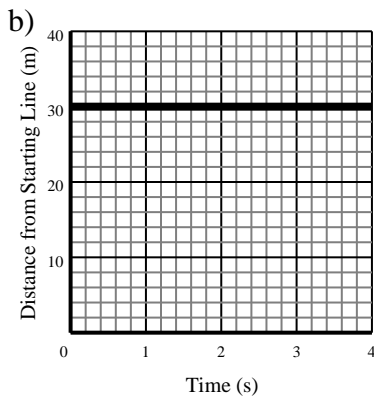
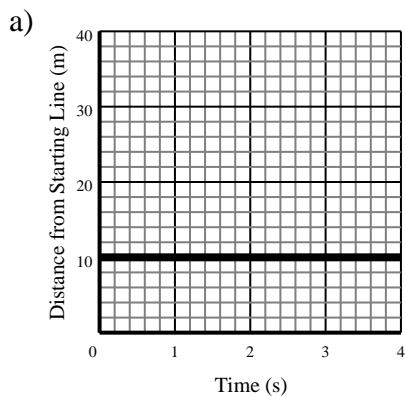


Distance-Time Graphs Investigation

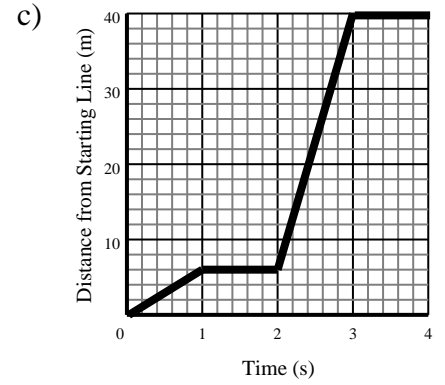
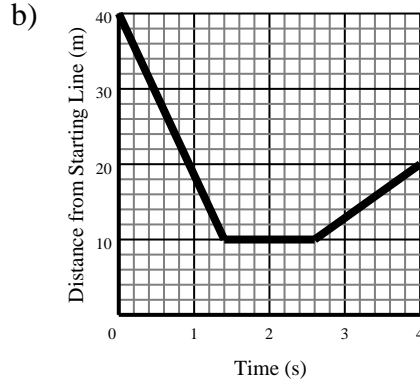
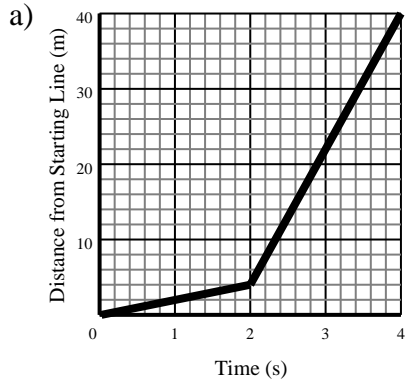


There is a man standing at the starting line of a 40 m track.

1. Determine what is happening to the man in each of the following graphs.

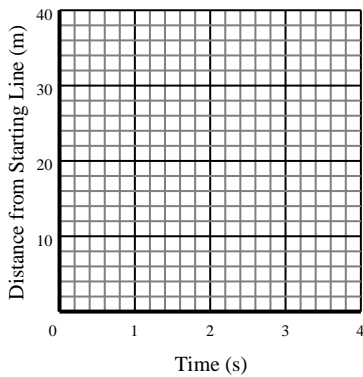


2. Predict what is happening in each of the following graphs.

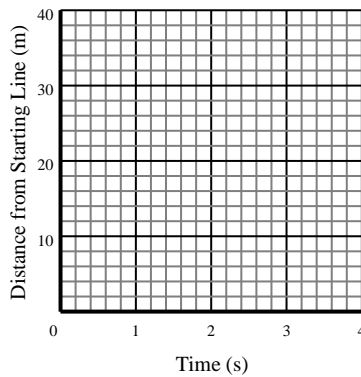


3. Draw a graph to match each of the following descriptions.

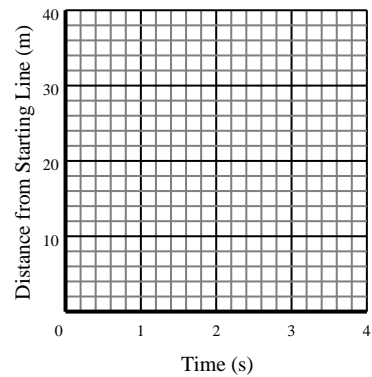
a) David stands still at the starting line for 2 seconds and the slowly walks forward.



b) Martina runs from the starting line to the 40 m mark and then back again.



c) Noel starts at the 30 m mark and runs to the starting line. He then walks to the 10 m mark, but stops for a break in the middle.



Distance-Time Graphs Investigation



Starting Line

10 m

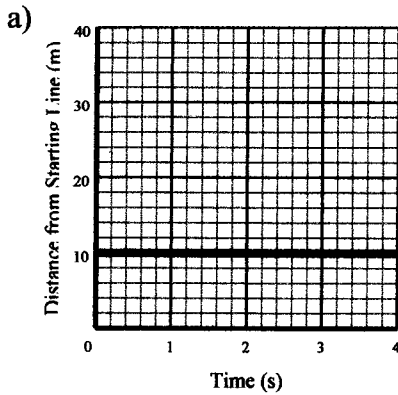
20 m

30 m

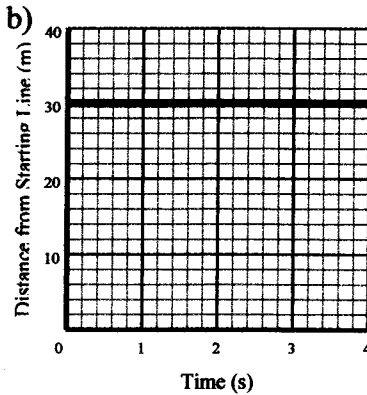
40 m

There is a man standing at the starting line of a 40 m track.

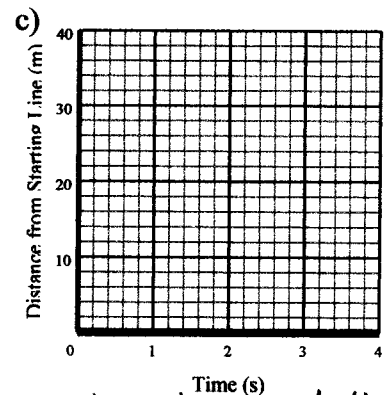
1. Determine what is happening to the man in each of the following graphs.



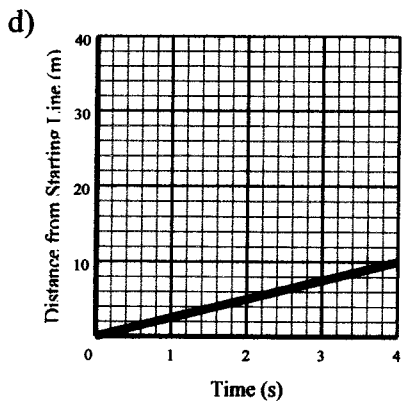
standing still at 10 m mark.



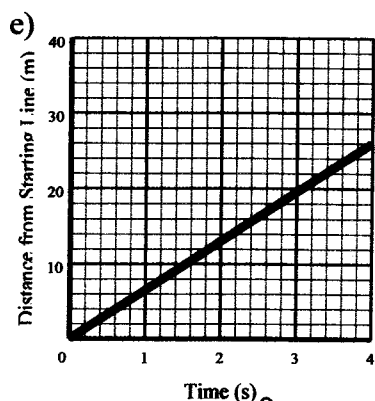
standing still at 30 m mark.



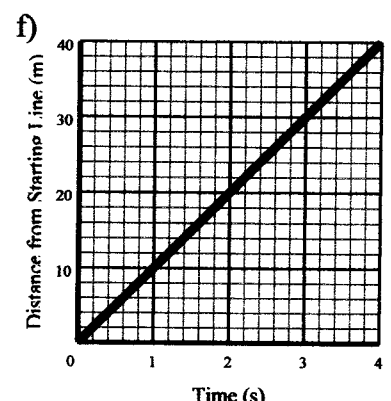
standing still at start line



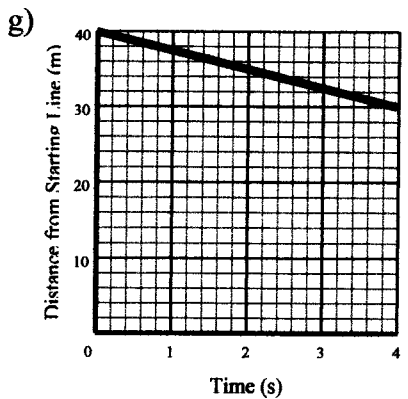
walking forward slowly



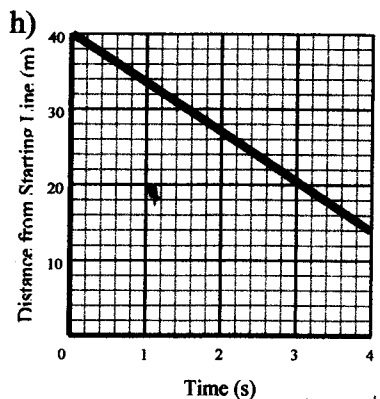
walking forward medium



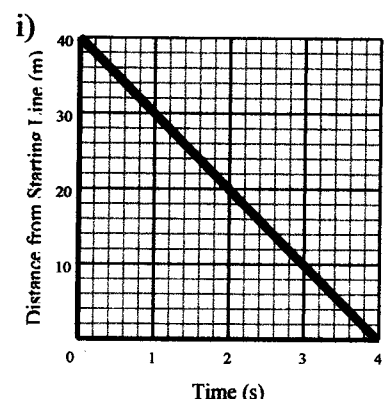
walking forward faster



walking back slowly

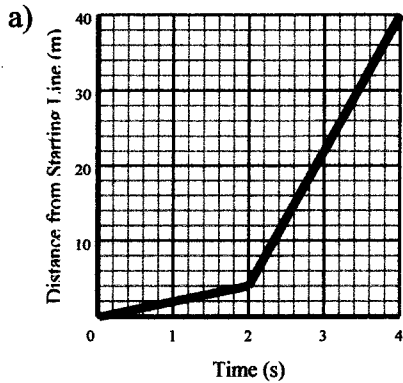


walking back med.

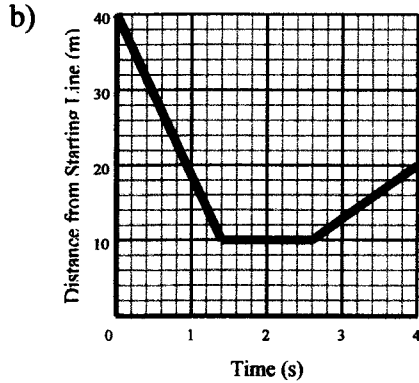


walking back faster.

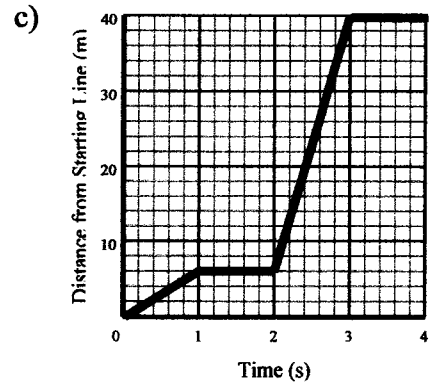
2. Predict what is happening in each of the following graphs.



starting from the start line, walks forward slowly for 2 seconds and then runs to the end (in 2 seconds)



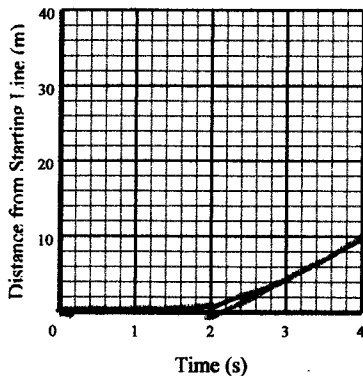
starting from the end, ~~walks~~ runs back towards the start line stops at 10m mark for 1+ seconds + walks away to the 20m mark.



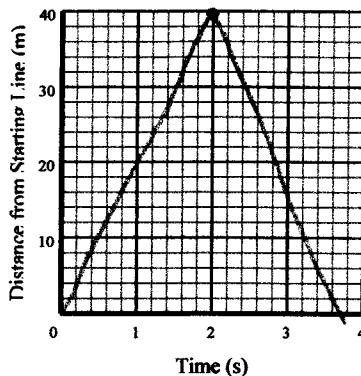
starting from the start line, slowly walks forward, stops for 1 sec. Runs to end stands still for 1 sec.

3. Draw a graph to match each of the following descriptions.

a) David stands still at the starting line for 2 seconds and the slowly walks forward.



b) Martina runs from the starting line to the 40 m mark and then back again.



c) Noel starts at the 30 m mark and runs to the starting line. He then walks to the 10 m mark, but stops for a break in the middle.

